

Use of SCN features: Yes
Max learning objects: Maximum objects/class
Strategy N° 8

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

Confusion Matrix – In percent of Actual Value

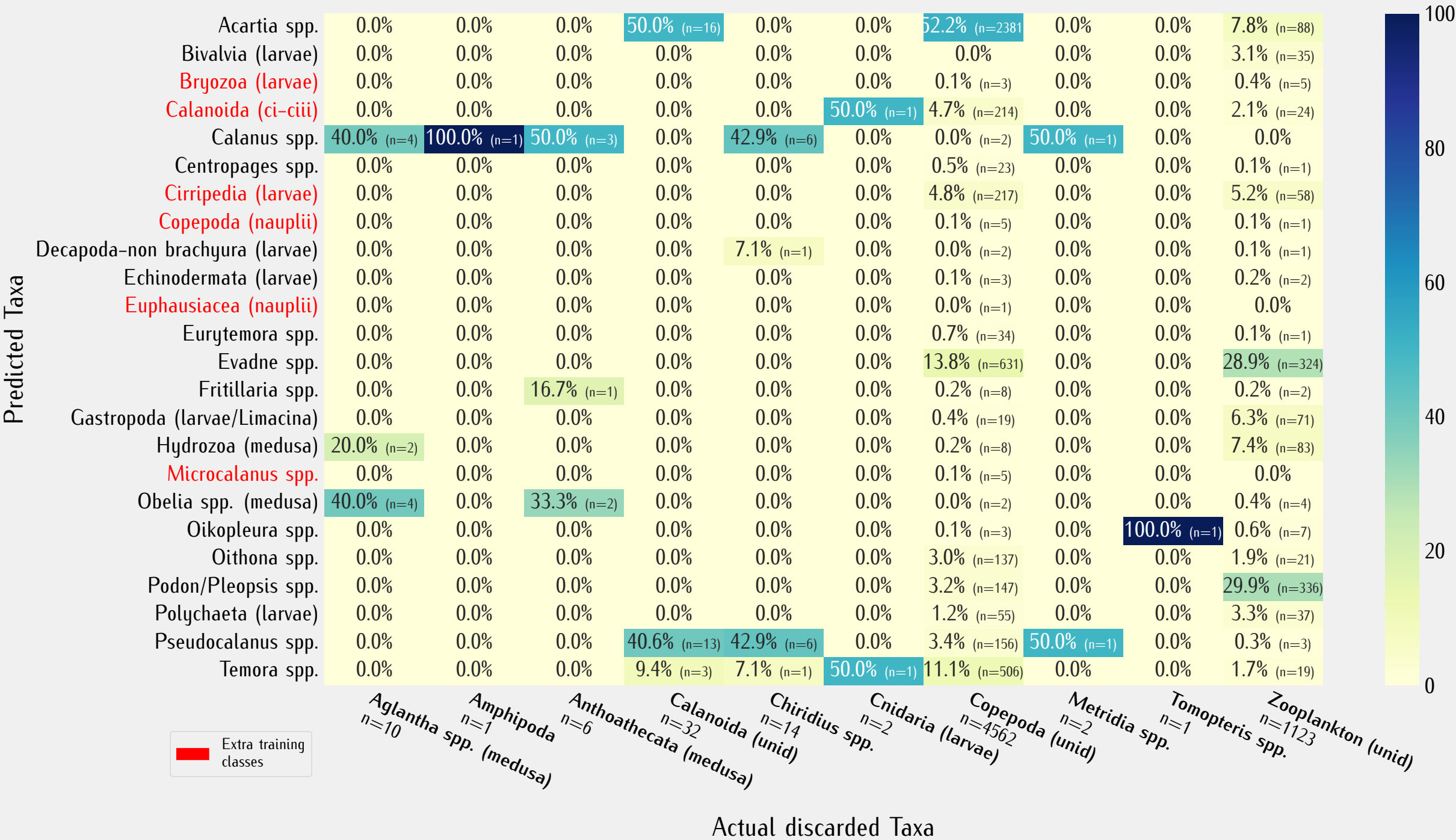
Actual Values



Classification Report Matrix
max available learning objects per class

	precision	recall	f1-score
Temora spp. (n=18103-train=7347)	0.85	0.47	0.61
Acartia spp. (n=13302-train=111319)	0.57	0.91	0.70
Evadne spp. (n=5228-train=11064)	0.85	0.86	0.86
Pseudocalanus spp. (n=3053-train=4845)	0.44	0.26	0.33
Centropages spp. (n=330-train=3620)	0.66	0.72	0.69
Podon/Pleopsis spp. (n=253-train=7347)	0.10	0.15	0.12
Eurytemora spp. (n=178-train=1818)	0.26	0.20	0.23
Gastropoda (larvae/Limacina) (n=112-train=3272)	0.55	0.60	0.57
Oithona spp. (n=98-train=5881)	0.32	0.78	0.45
Bivalvia (larvae) (n=92-train=3764)	0.90	0.88	0.89
Oikopleura spp. (n=70-train=5305)	0.87	0.77	0.82
Hydrozoa (medusa) (n=64-train=4052)	0.16	0.33	0.21
Harpacticoida- epibenthic (n=50-train=555)	0.00	0.00	0.00
Calanus spp. (n=25-train=359)	0.71	0.68	0.69
Chaetognatha (n=15-train=89)	0.86	0.80	0.83
Fritillaria spp. (n=7-train=6992)	0.10	0.43	0.16
Echinodermata (larvae) (n=5-train=3043)	0.00	0.00	0.00
Decapoda-non brachyura (larvae) (n=2-train=423)	0.05	1.00	0.10
Obelia spp. (medusa) (n=1-train=1003)	0.02	1.00	0.04
Polychaeta (larvae) (n=1-train=1577)	0.00	0.00	0.00
Bryozoa (larvae) (n=0-train=1142)	-	-	-
Calanoida (ci-ciii) (n=0-train=5557)	-	-	-
Cirripedia (larvae) (n=0-train=7685)	-	-	-
Copepoda (nauplii) (n=0-train=11555)	-	-	-
Microcalanus spp. (n=0-train=80)	-	-	-
Euphausiacea (larvae) (n=0-train=87)	-	-	-
Euphausiacea (nauplii) (n=0-train=145)	-	-	-
macro avg (corr)	0.41	0.54	0.41
weighted avg	0.72	0.65	0.64
	precision	recall	f1-score

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

