

Use of SCN features: Yes  
Max learning objects: 200 objects/class  
Strategy N° 4

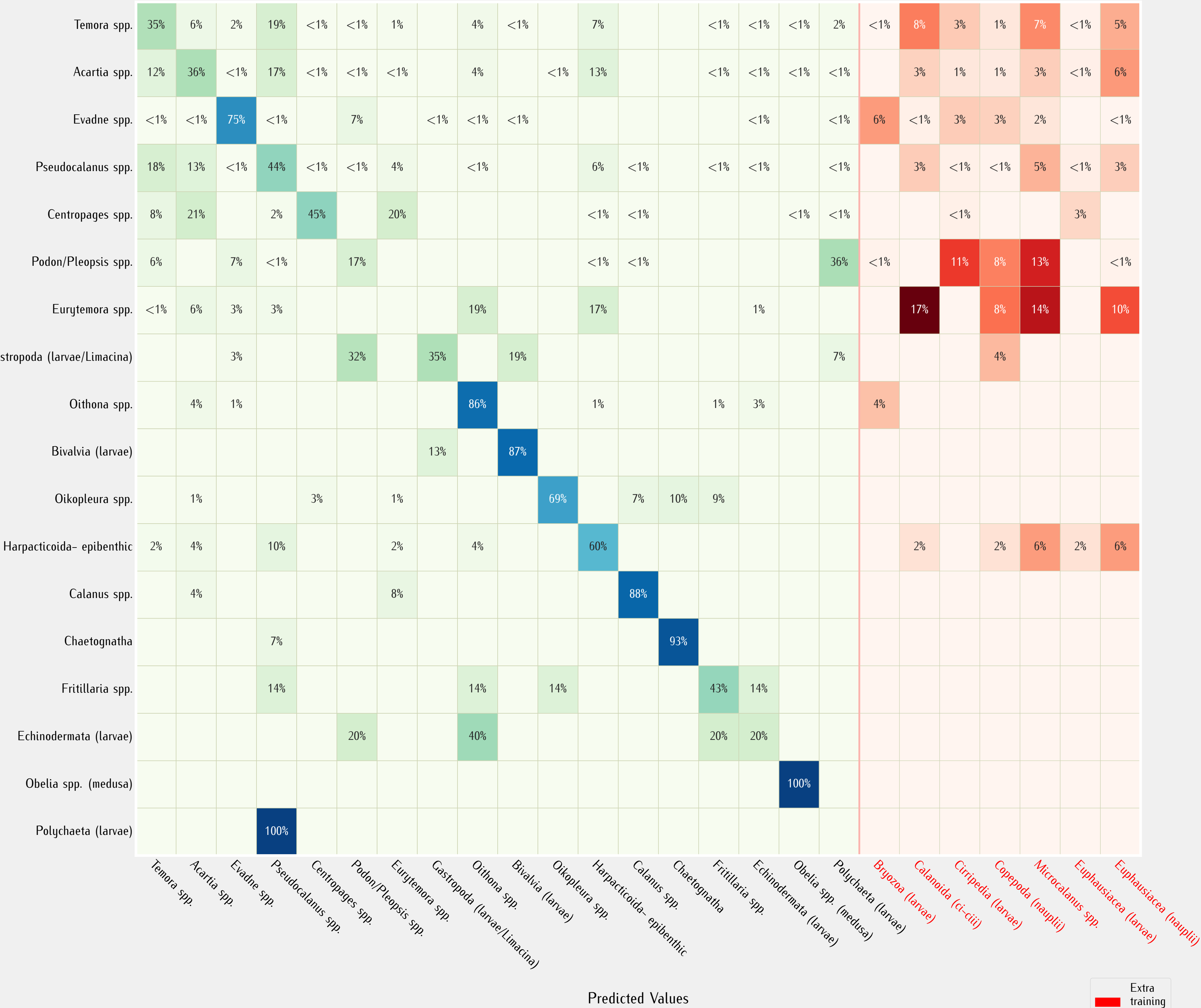
NL 2020 Selected Samples prediction using NL 2020 training set,  
Learning with selected samples classes with no low regional training instances, with extra training categories,  
No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

Classification Report Matrix  
max 200 learning objects per class

precision    recall    f1-score

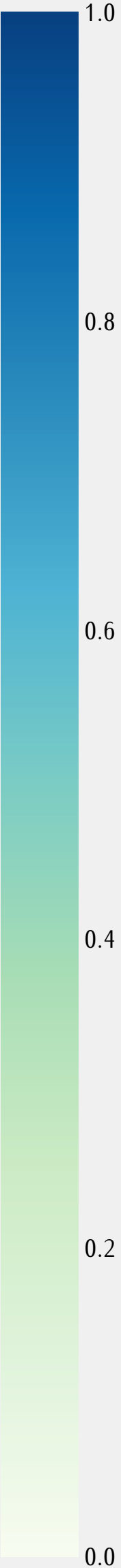
Actual Values



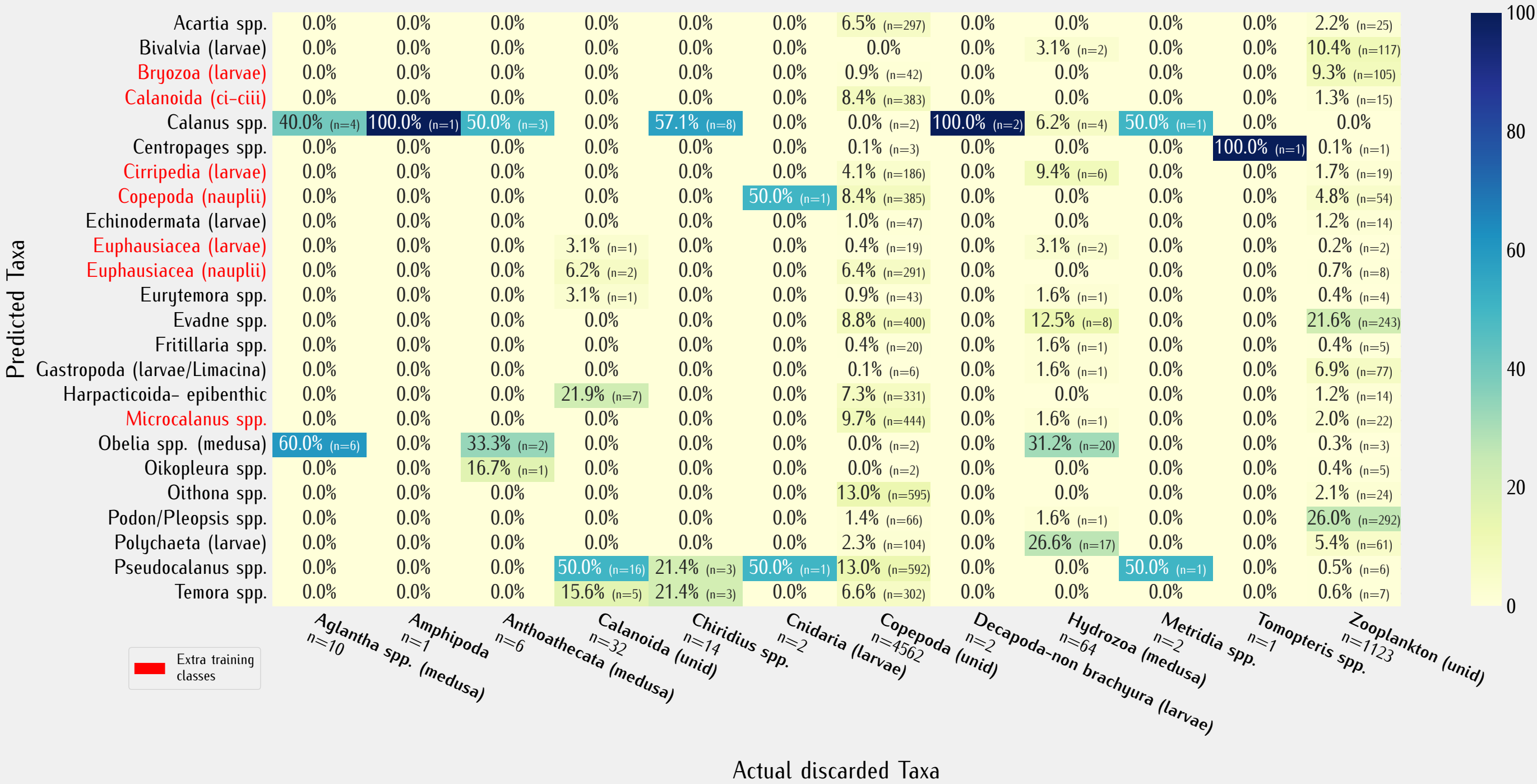
Predicted Values

Extra  
training  
classes

Temora spp. (n=18103-train=200)	0.74	0.35	0.47
Acartia spp. (n=13302-train=200)	0.76	0.36	0.49
Evadne spp. (n=5228-train=200)	0.90	0.75	0.82
Pseudocalanus spp. (n=3053-train=200)	0.19	0.44	0.27
Centropages spp. (n=330-train=40)	0.79	0.45	0.57
Podon/Pleopsis spp. (n=253-train=200)	0.09	0.17	0.12
Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00
Gastropoda (larvae/Limacina) (n=112-train=110)	0.46	0.35	0.40
Oithona spp. (n=98-train=200)	0.06	0.86	0.12
Bivalvia (larvae) (n=92-train=71)	0.59	0.87	0.70
Oikopleura spp. (n=70-train=200)	0.91	0.69	0.78
Harpacticoida- epibenthic (n=50-train=136)	0.01	0.60	0.02
Calanus spp. (n=25-train=200)	0.71	0.88	0.79
Chaetognatha (n=15-train=67)	0.67	0.93	0.78
Fritillaria spp. (n=7-train=200)	0.03	0.43	0.05
Echinodermata (larvae) (n=5-train=200)	0.01	0.20	0.01
Obelia spp. (medusa) (n=1-train=43)	0.06	1.00	0.11
Polychaeta (larvae) (n=1-train=200)	0.00	0.00	0.00
Bryozoa (larvae) (n=0-train=119)	-	-	-
Calanoida (ci-ciii) (n=0-train=200)	-	-	-
Cirripedia (larvae) (n=0-train=200)	-	-	-
Copepoda (nauplii) (n=0-train=200)	-	-	-
Microcalanus spp. (n=0-train=80)	-	-	-
Euphausiacea (larvae) (n=0-train=75)	-	-	-
Euphausiacea (nauplii) (n=0-train=122)	-	-	-
macro avg (corr)	0.39	0.52	0.36
weighted avg	0.71	0.41	0.50
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

