

Use of SCN features: No
Max learning objects: 20000 objects/class
Strategy N° 6

NL 2021 Selected Samples prediction using all regions training set,
Learning with all classes present in the selected samples, with extra regional 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

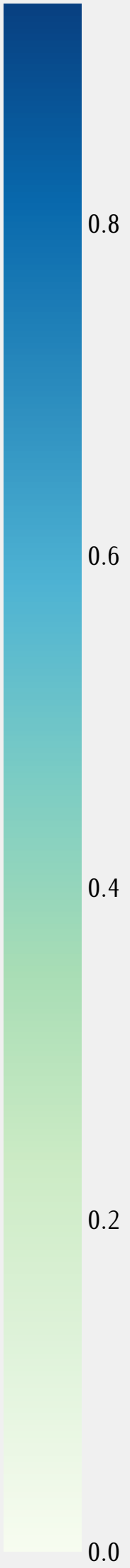
Actual Values

Acartia spp.	79%	<1%	6%	5%	1%			2%	<1%	3%				<1%	<1%	<1%		<1%							<1%		<1%		<1%
Evadne spp.	<1%	88%	<1%	<1%	<1%	<1%	4%	<1%			<1%	2%	4%	<1%	<1%			<1%							2%	<1%	<1%		
Temora spp.	18%	2%	56%	7%	1%		<1%	6%		5%				<1%				<1%		3%					2%	<1%	<1%	<1%	<1%
Pseudocalanus spp.	29%		10%	49%				3%		5%								<1%	3%						<1%		<1%		
Oithona spp.	14%	<1%	<1%		77%			1%	<1%	<1%	<1%					3%			<1%						<1%				
Bryozoa (larvae)		23%	<1%		<1%	55%	2%	1%	<1%		<1%		10%	<1%	<1%			<1%							4%	2%			
Podon/Pleopsis spp.	1%	11%	22%	2%		<1%	29%	3%	<1%	<1%			<1%					11%		1%					4%	11%	<1%	1%	
Calanoida (ci-ciüi)	19%	10%	13%	5%	4%		10%	22%		3%						3%		2%	<1%						<1%	5%	3%		
Oikopleura spp.	<1%		3%	2%	2%					74%						8%	3%								6%			2%	<1%
Centropages spp.	10%		5%	1%							77%								1%				5%		1%				
Echinodermata (larvae)	2%				16%		2%	2%	6%			14%						46%		2%					2%	4%		2%	2%
Gastropoda (larvae/Limacina)		2%					4%						66%	4%		13%			11%										
Hydrozoa (medusa)		2%				2%	6%							30%		4%						6%			2%	13%		34%	
Harpacticoida- epibenthic	36%	2%	4%	4%	2%			2%								36%						11%				2%			
Bivalvia (larvae)						5%	5%					5%	7%				70%									9%			
Fritillaria spp.	3%				9%				29%								59%												
Microcalanus spp.	10%	6%	6%	13%			13%	23%								13%		6%		6%					3%				
Chaetognatha									25%										4%					4%					
Polychaeta (larvae)				5%			5%					10%	5%					40%					5%	30%					
Calanus spp.				7%						7%									79%					7%					
Eurytemora spp.	40%		20%	10%						20%											10%								
Aglantha spp. (medusa)									11%				44%								22%	11%					11%		
Oncaeidae spp.	50%													50%															
Sarsia spp. (medusa)																	25%										75%		
Ostracoda						50%								50%															
Tortanus spp.	50%																					50%							
Monstrillidae										100%																			
Decapoda-non brachyura (larvae)																													

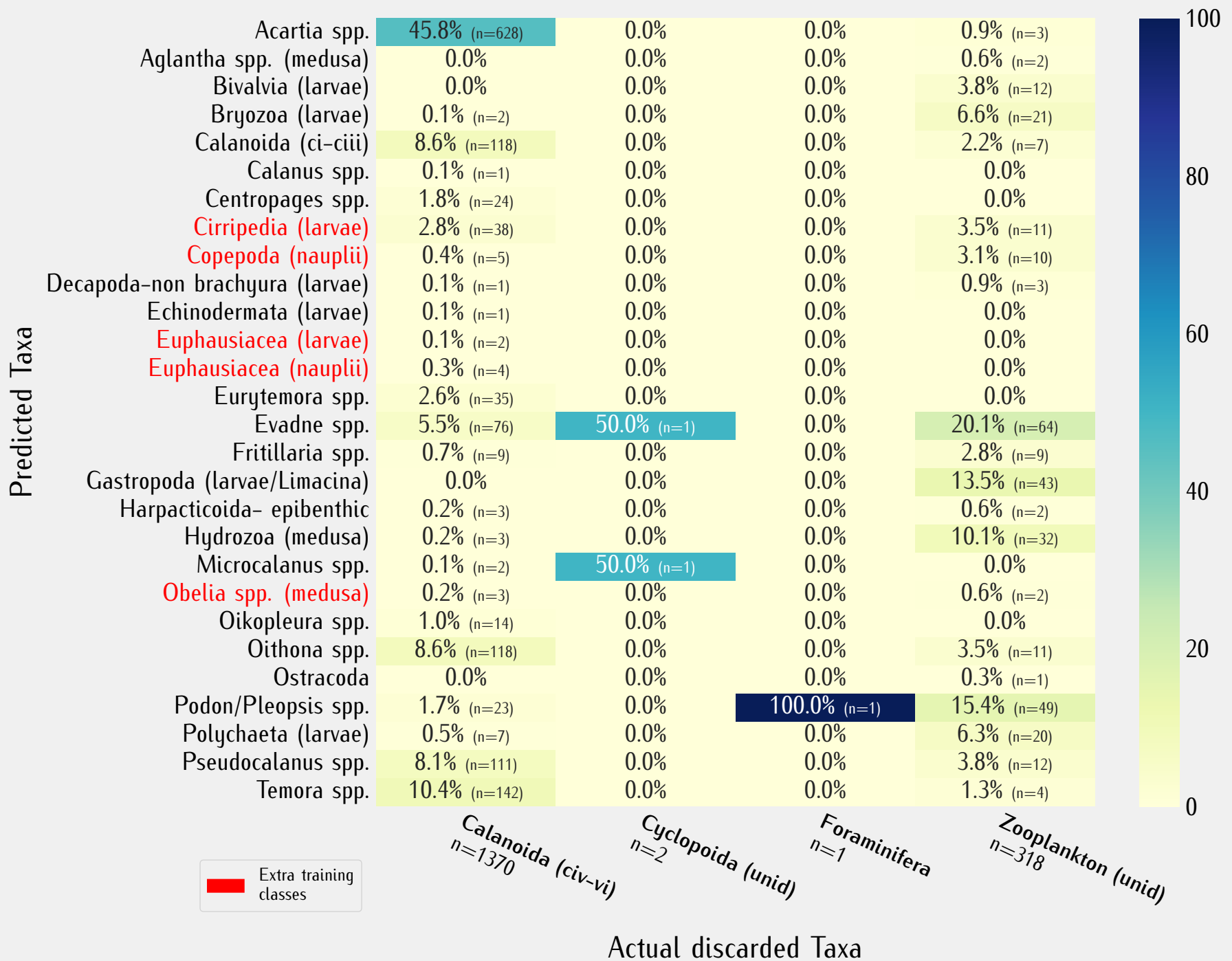
Predicted Values

Extra
training
classes

	precision	recall	f1-score
Acartia spp. (n=2490-train=20000)	0.75	0.79	0.77
Evadne spp. (n=1931-train=11064)	0.92	0.88	0.90
Temora spp. (n=1416-train=7347)	0.69	0.56	0.62
Pseudocalanus spp. (n=1044-train=4845)	0.67	0.49	0.57
Oithona spp. (n=345-train=5881)	0.78	0.77	0.77
Bryozoa (larvae) (n=248-train=1142)	0.93	0.55	0.69
Podon/Pleopsis spp. (n=230-train=7347)	0.40	0.29	0.33
Calanoida (ci-ciüi) (n=130-train=5557)	0.13	0.22	0.16
Oikopleura spp. (n=115-train=5305)	0.75	0.74	0.74
Centropages spp. (n=88-train=3620)	0.24	0.77	0.37
Echinodermata (larvae) (n=50-train=3043)	0.64	0.14	0.23
Gastropoda (larvae/Limacina) (n=47-train=3272)	0.45	0.66	0.53
Hydrozoa (medusa) (n=47-train=4052)	0.12	0.30	0.17
Harpacticoida- epibenthic (n=47-train=555)	0.55	0.36	0.44
Bivalvia (larvae) (n=44-train=3764)	0.79	0.70	0.75
Fritillaria spp. (n=34-train=6992)	0.24	0.59	0.34
Microcalanus spp. (n=31-train=80)	0.40	0.13	0.20
Chaetognatha (n=28-train=89)	0.86	0.68	0.76
Polychaeta (larvae) (n=20-train=1577)	0.16	0.40	0.23
Calanus spp. (n=14-train=359)	0.69	0.79	0.73
Eurytemora spp. (n=10-train=1818)	0.01	0.10	0.02
Aglantha spp. (medusa) (n=9-train=22)	0.40	0.22	0.29
Oncaeidae spp. (n=6-train=18)	0.00	0.00	0.00
Sarsia spp. (medusa) (n=4-train=4)	0.50	0.25	0.33
Ostracoda (n=2-train=25)	0.00	0.00	0.00
Tortanus spp. (n=2-train=203)	0.20	0.50	0.29
Monstrillidae (n=1-train=27)	0.00	0.00	0.00
Decapoda-non brachyura (larvae) (n=1-train=423)	0.00	0.00	0.00
Cirripedia (larvae) (n=0-train=7685)	-	-	-
Copepoda (nauplii) (n=0-train=11555)	-	-	-
Obelia spp. (medusa) (n=0-train=1003)	-	-	-
Euphausiacea (larvae) (n=0-train=87)	-	-	-
Euphausiacea (nauplii) (n=0-train=145)	-	-	-
macro avg (corr)	0.44	0.42	0.40
weighted avg	0.74	0.69	0.70
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

