

Use of SCN features: No  
Max learning objects: Maximum 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 (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

Classification Report Matrix  
max available learning objects per class

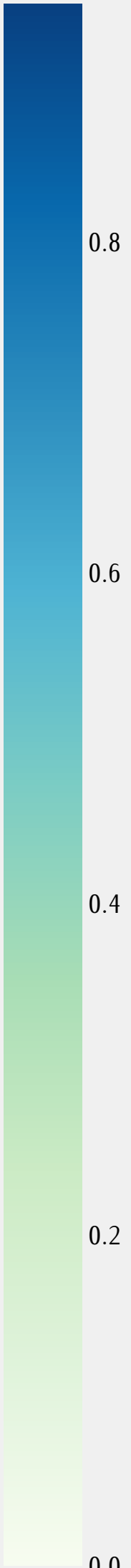
Actual Values

Acartia spp.	94%	<1%	2%	<1%	<1%		<1%	<1%	<1%	<1%					<1%	<1%				<1%						<1%		<1%		<1%
Evadne spp.	<1%	88%			<1%	<1%	4%	<1%			<1%	2%	4%	<1%	<1%			<1%								2%	<1%	<1%		
Temora spp.	34%	2%	50%	4%	1%	<1%	<1%	3%		2%				<1%	<1%			<1%		<1%						2%		<1%		<1%
Pseudocalanus spp.	46%		9%	40%				2%		2%								<1%	<1%	<1%						<1%				
Oithona spp.	25%	<1%	<1%		70%			<1%	<1%		<1%				2%											<1%				
Bryozoa (larvae)		23%			1%	56%	2%	1%	<1%		<1%		8%	<1%	<1%			<1%							4%	2%	<1%			
Podon/Pleopsis spp.	7%	12%	20%	<1%		<1%	27%	1%	<1%	<1%			<1%					10%		<1%					4%	12%	<1%	1%		
Calanoida (ci-ciüi)	30%	10%	14%	5%	3%		12%	12%		2%							<1%	2%	<1%						<1%	5%	4%			
Oikopleura spp.	2%		2%	2%	<1%					76%						9%	2%								6%			2%		
Centropages spp.	20%		5%	1%							67%									1%					5%	1%				
Echinodermata (larvae)	10%				8%		2%	2%	6%		12%					46%		2%							2%	6%		2%		2%
Gastropoda (larvae/Limacina)		2%					4%					64%	4%		13%			13%												
Hydrozoa (medusa)		2%					6%				2%		30%		4%					6%					2%	11%	2%	34%		
Harpacticoida- epibenthic	81%	2%	2%		2%			2%						4%						4%							2%			
Bivalvia (larvae)						5%	5%					5%	5%		73%												9%			
Fritillaria spp.	6%				9%					29%						56%														
Microcalanus spp.	23%	10%	6%	6%			16%	19%				3%					10%		3%							3%				
Chaetognatha										32%								61%	4%						4%					
Polychaeta (larvae)	5%			5%			5%					10%		5%				40%							5%	25%				
Calanus spp.				7%						7%									79%						7%					
Eurytemora spp.	70%		20%	10%																										
Aglantha spp. (medusa)									11%				33%					33%	11%									11%		
Oncaeidae spp.	100%																													
Sarsia spp. (medusa)														25%				25%										50%		
Ostracoda						50%										50%														
Tortanus spp.	50%																							50%						
Monstrillidae	100%																													
Decapoda-non brachyura (larvae)																														

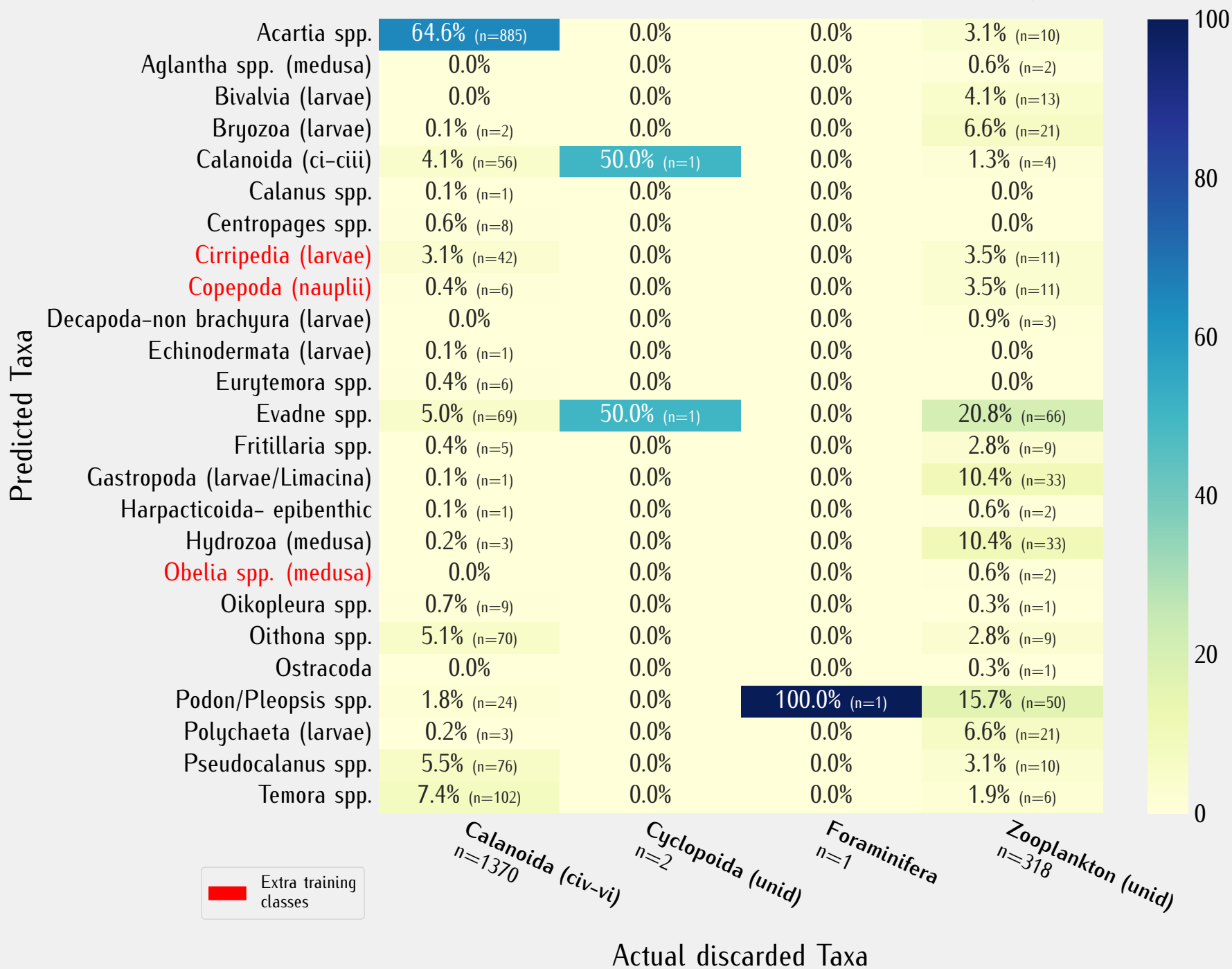
Predicted Values

Extra  
training  
classes

	precision	recall	f1-score
Acartia spp. (n=2490-train=111319)	0.66	0.94	0.78
Evadne spp. (n=1931-train=11064)	0.92	0.88	0.90
Temora spp. (n=1416-train=7347)	0.76	0.50	0.60
Pseudocalanus spp. (n=1044-train=4845)	0.81	0.40	0.54
Oithona spp. (n=345-train=5881)	0.83	0.70	0.76
Bryozoa (larvae) (n=248-train=1142)	0.93	0.56	0.70
Podon/Pleopsis spp. (n=230-train=7347)	0.36	0.27	0.31
Calanoida (ci-ciüi) (n=130-train=5557)	0.14	0.12	0.13
Oikopleura spp. (n=115-train=5305)	0.76	0.76	0.76
Centropages spp. (n=88-train=3620)	0.45	0.67	0.54
Echinodermata (larvae) (n=50-train=3043)	0.55	0.12	0.20
Gastropoda (larvae/Limacina) (n=47-train=3272)	0.46	0.64	0.54
Hydrozoa (medusa) (n=47-train=4052)	0.12	0.30	0.17
Harpacticoida- epibenthic (n=47-train=555)	0.33	0.04	0.08
Bivalvia (larvae) (n=44-train=3764)	0.80	0.73	0.76
Fritillaria spp. (n=34-train=6992)	0.28	0.56	0.37
Microcalanus spp. (n=31-train=80)	0.50	0.10	0.16
Chaetognatha (n=28-train=89)	0.89	0.61	0.72
Polychaeta (larvae) (n=20-train=1577)	0.17	0.40	0.24
Calanus spp. (n=14-train=359)	0.69	0.79	0.73
Eurytemora spp. (n=10-train=1818)	0.00	0.00	0.00
Aglantha spp. (medusa) (n=9-train=22)	0.50	0.33	0.40
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)	0.45	0.40	0.39
weighted avg	0.74	0.70	0.70
	precision	recall	f1-score



# Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

