

Use of SCN features: No  
Max learning objects: 5000 objects/class  
Strategy N° 5

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

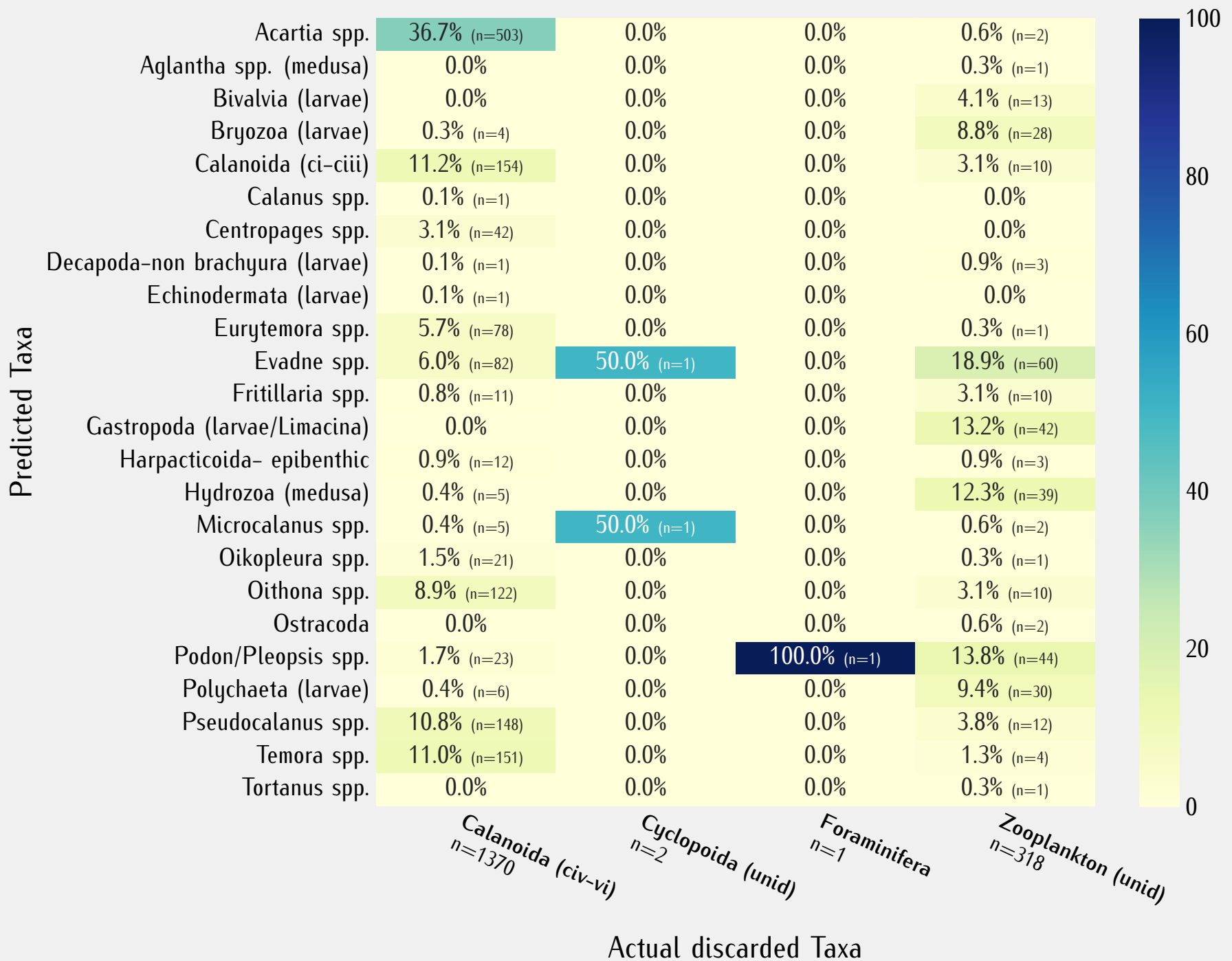
Confusion Matrix - In percent of Actual Value

Actual Values																												
Acartia spp.	65%	<1%	8%	9%	1%		<1%	3%	<1%	7%			<1%		<1%	<1%		<1%		3%					<1%			
Evadne spp.		87%	<1%	<1%	<1%	<1%	4%	<1%	<1%		<1%	2%	5%	<1%	<1%			<1%										
Temora spp.	13%	2%	54%	9%	2%	<1%	<1%	7%		8%			<1%	<1%			<1%		4%					<1%				
Pseudocalanus spp.	20%		9%	54%				3%		8%			<1%			<1%		<1%	5%								<1%	
Oithona spp.	12%	<1%	<1%		78%			2%	<1%	2%	<1%				3%				<1%				<1%					
Bryozoa (larvae)		17%	<1%		<1%	64%	3%	<1%			2%		10%	<1%	<1%			<1%										
Podon/Pleopsis spp.	<1%	13%	26%	2%		2%	29%	4%	<1%	<1%			1%	<1%			<1%	12%		2%							5%	
Calanoida (ci-ciü)	12%	10%	15%	5%	5%		12%	27%		5%						3%		3%	<1%	2%								<1%
Oikopleura spp.	<1%		3%	2%	<1%					76%		<1%				6%		3%										8%
Centropages spp.	9%		2%	1%							81%								1%						5%		1%	
Echinodermata (larvae)	2%				16%		2%	2%	8%			16%			4%			46%		2%							2%	
Gastropoda (larvae/Limacina)		2%					4%						64%	4%		13%			13%									
Hydrozoa (medusa)		2%				9%	4%					2%		47%		17%			4%	2%		6%					6%	
Harpacticoida- epibenthic	15%	2%	9%	6%	2%			2%						51%						13%								
Bivalvia (larvae)						5%	7%					5%	7%		70%			7%										
Fritillaria spp.					9%					32%						59%												
Microcalanus spp.		6%	10%	10%			19%	19%					3%				16%		6%	10%								
Chaetognatha										29%									64%	4%	4%							
Polychaeta (larvae)	5%	10%	5%	5%		5%						10%	5%				45%						5%		5%			
Calanus spp.				7%						7%									71%								14%	
Eurytemora spp.	30%		10%	30%						20%										10%								
Aglantha spp. (medusa)													22%							56%		11%					11%	
Oncaeidae spp.	17%													50%						33%								
Sarsia spp. (medusa)												50%				25%						25%						
Ostracoda						50%							50%															
Tortanus spp.											50%														50%			
Monstrillidae											100%																	
Decapoda-non brachyura (larvae)																				100%								

Classification Report Matrix  
max 5000 learning objects per class

	precision	recall	f1-score
Acartia spp. (n=2490-train=5000)	0.77	0.65	0.71
Evadne spp. (n=1931-train=5000)	0.92	0.87	0.90
Temora spp. (n=1416-train=5000)	0.66	0.54	0.60
Pseudocalanus spp. (n=1044-train=4845)	0.60	0.54	0.57
Oithona spp. (n=345-train=5000)	0.75	0.78	0.76
Bryozoa (larvae) (n=248-train=1142)	0.87	0.64	0.74
Podon/Pleopsis spp. (n=230-train=5000)	0.37	0.29	0.33
Calanoida (ci-ciü) (n=130-train=5000)	0.13	0.27	0.18
Oikopleura spp. (n=115-train=5000)	0.71	0.76	0.73
Centropages spp. (n=88-train=3620)	0.16	0.81	0.26
Echinodermata (larvae) (n=50-train=3043)	0.42	0.16	0.23
Gastropoda (larvae/Limacina) (n=47-train=3272)	0.38	0.64	0.48
Hydrozoa (medusa) (n=47-train=4052)	0.14	0.47	0.22
Harpacticoida- epibenthic (n=47-train=555)	0.41	0.51	0.45
Bivalvia (larvae) (n=44-train=3764)	0.79	0.70	0.75
Fritillaria spp. (n=34-train=5000)	0.23	0.59	0.33
Microcalanus spp. (n=31-train=80)	0.38	0.16	0.23
Chaetognatha (n=28-train=89)	0.82	0.64	0.72
Polychaeta (larvae) (n=20-train=1577)	0.14	0.45	0.21
Calanus spp. (n=14-train=359)	0.59	0.71	0.65
Eurytemora spp. (n=10-train=1818)	0.00	0.10	0.01
Aglantha spp. (medusa) (n=9-train=22)	0.62	0.56	0.59
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)	0.08	0.50	0.13
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
macro avg	0.41	0.45	0.40
weighted avg	0.72	0.65	0.68
	precision	recall	f1-score

# Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

