

Use of SCN features: No
Max learning objects: 200 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 (ci-vi), Cyclopoida, Zooplankton classes in learning set

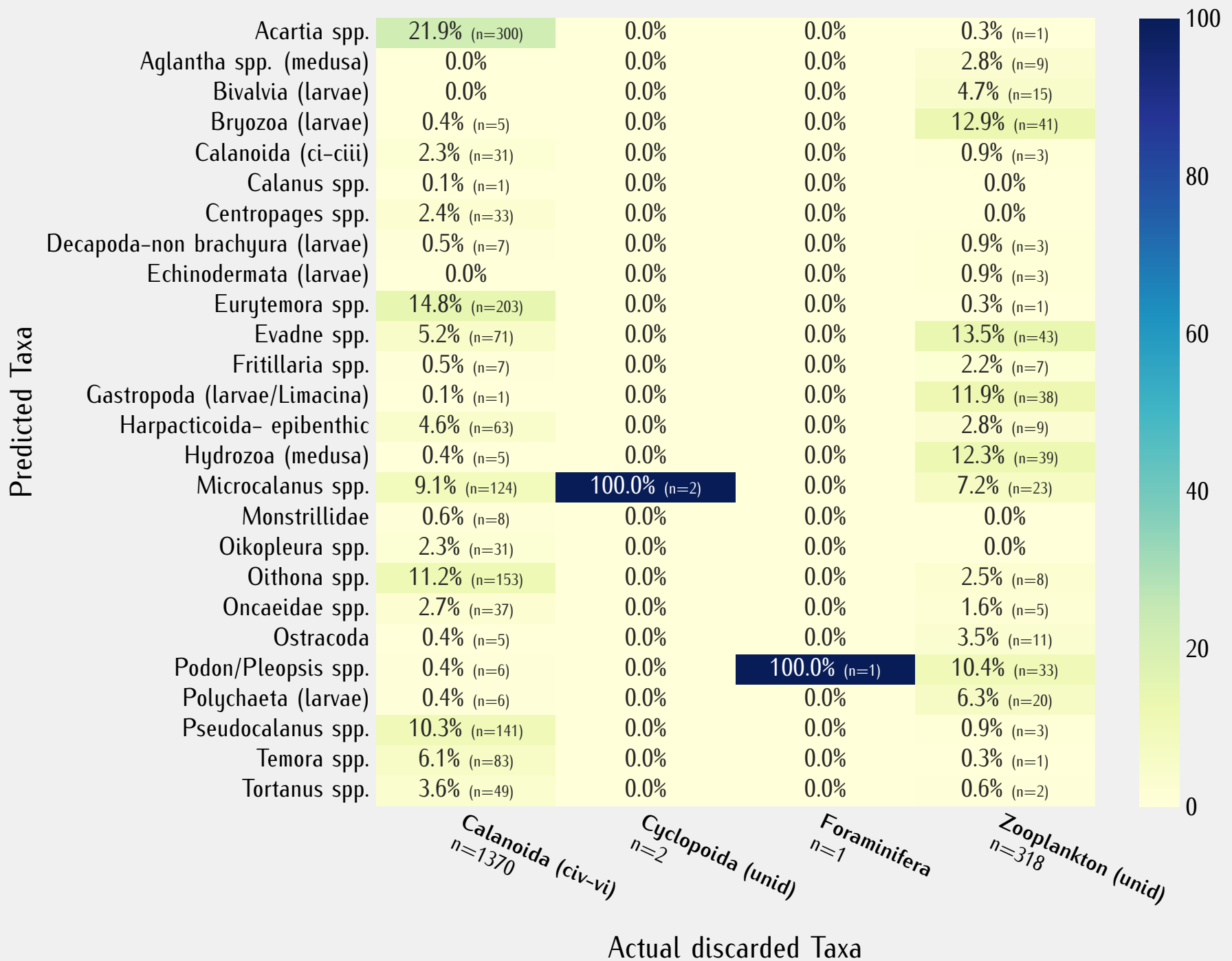
Confusion Matrix - In percent of Actual Value

Actual Values	Predicted Values																												
	Acartia spp.	Evadne spp.	Temora spp.	Pseudocalanus spp.	Oithona spp.	Bryozoa (larvae)	Podon/Pleopsis spp.	Calanoida (ci-ciü)	Oikopleura spp.	Centropages spp.	Echinodermata (larvae)	Gastropoda (larvae/Limacina)	Hydrozoa (medusa)	Harpacticoida- epibenthic	Bivalvia (larvae)	Fritillaria spp.	Microcalanus spp.	Chaetognatha	Polychaeta (larvae)	Calanus spp.	Eurytemora spp.	Aglantha spp. (medusa)	Oncaeidae spp.	Sarsia spp. (medusa)	Ostracoda	Tortanus spp.	Monstrillidae	Decapoda-non brachyura (larvae)	
Acartia spp.	42%	<1%	4%	16%	2%			<1%	<1%	9%				5%		<1%	3%				9%	<1%	1%				8%	<1%	<1%
Evadne spp.		80%	<1%	<1%	<1%	2%	4%	<1%			<1%	1%	9%	<1%	<1%		1%		<1%		<1%				<1%	<1%			<1%
Temora spp.	10%	2%	34%	10%	4%	<1%	<1%	1%		9%				2%			4%		<1%		14%	<1%	<1%		<1%	7%	<1%	<1%	
Pseudocalanus spp.	19%		7%	44%	<1%			<1%		10%				2%			5%		<1%	<1%	9%						1%		1%
Oithona spp.	12%	<1%		<1%	73%				<1%	1%	<1%			2%		1%					4%		1%				2%	1%	
Bryozoa (larvae)		19%			<1%	55%	1%	<1%			2%		8%	8%		2%	1%		3%										
Podon/Pleopsis spp.		10%	17%	<1%		<1%	6%	<1%	<1%	<1%			<1%	1%			30%		13%		6%	4%				<1%			8%
Calanoida (ci-ciü)	9%	15%	5%	5%	5%	2%	5%	2%		2%				3%		<1%	27%		2%	<1%	5%		2%				4%	<1%	2%
Oikopleura spp.				2%	2%				33%		<1%					10%		34%		<1%	<1%						4%	3%	10%
Centropages spp.	6%		2%	3%						73%										1%							11%	2%	1%
Echinodermata (larvae)			2%		20%		2%		8%		14%					46%			2%								4%		2%
Gastropoda (larvae/Limacina)		2%					9%					53%	9%		13%				9%			6%							
Hydrozoa (medusa)		2%	13%			6%			2%		2%		23%			9%	6%		2%	4%		21%					4%		4%
Harpacticoida- epibenthic	4%		6%	11%	2%									55%			2%				13%		6%						
Bivalvia (larvae)					11%	2%						9%	7%		70%														
Fritillaria spp.	3%				12%				35%		3%					44%		3%											
Microcalanus spp.		6%		3%		3%	3%										58%		3%		16%						6%		
Chaetognatha									7%										86%		4%			4%					
Polychaeta (larvae)		10%			5%		5%					5%		10%			10%		20%		5%	5%				10%	10%		5%
Calanus spp.																				86%							7%		7%
Eurytemora spp.				20%						50%			20%									10%							
Aglantha spp. (medusa)																						78%		11%					11%
Oncaeidae spp.				33%									33%							17%		17%							
Sarsia spp. (medusa)																					25%		25%						50%
Ostracoda						50%						50%																	
Tortanus spp.																										100%			
Monstrillidae										100%																			
Decapoda-non brachyura (larvae)																				100%									

Classification Report Matrix
max 200 learning objects per class

	precision	recall	f1-score
Acartia spp. (n=2490-train=200)	0.72	0.42	0.53
Evadne spp. (n=1931-train=200)	0.92	0.80	0.86
Temora spp. (n=1416-train=200)	0.68	0.34	0.46
Pseudocalanus spp. (n=1044-train=200)	0.45	0.44	0.45
Oithona spp. (n=345-train=200)	0.64	0.73	0.68
Bryozoa (larvae) (n=248-train=200)	0.74	0.55	0.63
Podon/Pleopsis spp. (n=230-train=200)	0.12	0.06	0.08
Calanoida (ci-ciü) (n=130-train=200)	0.06	0.02	0.03
Oikopleura spp. (n=115-train=200)	0.53	0.33	0.41
Centropages spp. (n=88-train=200)	0.12	0.73	0.21
Echinodermata (larvae) (n=50-train=200)	0.29	0.14	0.19
Gastropoda (larvae/Limacina) (n=47-train=200)	0.45	0.53	0.49
Hydrozoa (medusa) (n=47-train=200)	0.05	0.23	0.08
Harpacticoida- epibenthic (n=47-train=200)	0.11	0.55	0.19
Bivalvia (larvae) (n=44-train=200)	0.82	0.70	0.76
Fritillaria spp. (n=34-train=200)	0.22	0.44	0.29
Microcalanus spp. (n=31-train=80)	0.05	0.58	0.09
Chaetognatha (n=28-train=89)	0.38	0.86	0.52
Polychaeta (larvae) (n=20-train=200)	0.06	0.20	0.10
Calanus spp. (n=14-train=200)	0.50	0.86	0.63
Eurytemora spp. (n=10-train=200)	0.00	0.10	0.00
Aglantha spp. (medusa) (n=9-train=22)	0.20	0.78	0.32
Oncaeidae spp. (n=6-train=18)	0.02	0.17	0.04
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=200)	0.01	1.00	0.01
Monstrillidae (n=1-train=27)	0.00	0.00	0.00
Decapoda-non brachyura (larvae) (n=1-train=200)	0.00	0.00	0.00
macro avg	0.31	0.42	0.30
weighted avg	0.67	0.50	0.55
	precision	recall	f1-score

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

