

Use of SCN features: No  
Max learning objects: Maximum objects/class  
Strategy N° 7

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

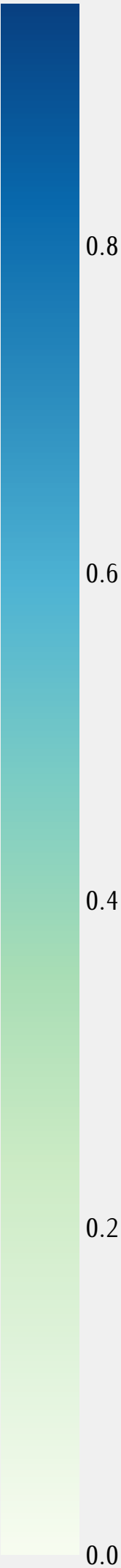
Confusion Matrix - In percent of Actual Value

Classification Report Matrix  
max available learning objects per class

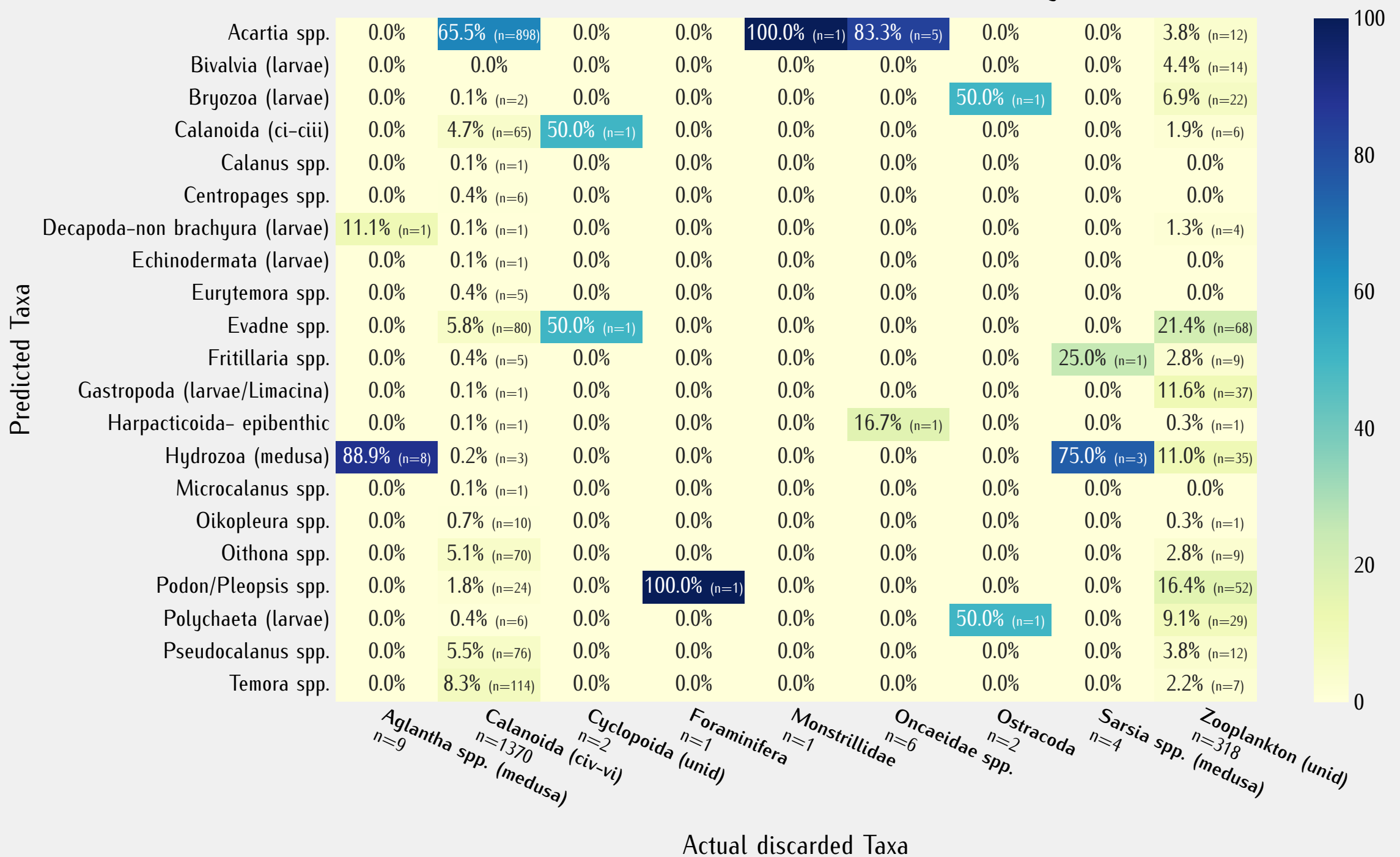
Actual Values

		Confusion Matrix - In percent of Actual Value																							
Actual Values	Acartia spp.	95%	<1%	2%	<1%	<1%		<1%	<1%	<1%	<1%					<1%	<1%				<1%				
	Evadne spp.	<1%	89%	<1%	<1%	<1%	<1%	4%	<1%	<1%		<1%	2%	<1%	4%	<1%				<1%					
	Temora spp.	35%	2%	50%	4%	<1%	<1%	<1%	3%		2%				<1%		<1%			<1%		<1%			
	Pseudocalanus spp.	46%		9%	39%				2%		3%										<1%	1%		<1%	
	Oithona spp.	25%	<1%	<1%		69%			1%	<1%		<1%					1%								
	Bryozoa (larvae)		24%	<1%		<1%	60%	2%	1%	<1%		1%		<1%	8%		<1%			<1%					
	Podon/Pleopsis spp.	8%	13%	25%	2%		<1%	34%	<1%	<1%	<1%				1%					9%				6%	
	Calanoida (ci-ciii)	30%	13%	15%	5%	4%		13%	13%		2%							2%		2%	<1%			<1%	
	Oikopleura spp.	2%		3%	2%	<1%				76%		<1%					10%		2%					5%	
	Centropages spp.	25%		5%	1%						62%												5%	2%	
	Echinodermata (larvae)	12%				8%		2%		6%		14%			2%		52%			4%					
	Gastropoda (larvae/Limacina)		2%					4%					66%		4%	13%				11%					
	Harpacticoida- epibenthic	81%	2%	2%					2%						6%							6%			
	Hydrozoa (medusa)		4%				4%	4%				2%			55%		17%			4%	2%			6%	
	Bivalvia (larvae)						5%	7%					7%		2%	73%				7%					
	Fritillaria spp.	6%				6%				29%							59%								
	Microcalanus spp.	23%	10%	13%	6%			13%	19%									13%		3%					
	Chaetognatha									32%									61%	4%				4%	
	Polychaeta (larvae)	5%	10%	5%	5%			5%					5%	5%						55%				5%	
	Calanus spp.				7%						7%										71%			14%	
	Eurytemora spp.	70%		20%	10%																				
	Tortanus spp.	50%																					50%		
	Decapoda-non brachyura (larvae)																				100%				
		Predicted Values																							
		Acartia spp.	Evadne spp.	Temora spp.	Pseudocalanus spp.	Oithona spp.	Bryozoa (larvae)	Podon/Pleopsis spp.	Calanoida (ci-ciii)	Oikopleura spp.	Centropages spp.	Echinodermata (larvae)	Gastropoda (larvae/Limacina)	Harpacticoida- epibenthic	Hydrozoa (medusa)	Bivalvia (larvae)	Fritillaria spp.	Microcalanus spp.	Chaetognatha	Polychaeta (larvae)	Calanus spp.	Eurytemora spp.	Tortanus spp.	Decapoda-non brachyura (larvae)	

		precision	recall	f1-score
Acartia spp. (n=2490-train=111319)		0.66	0.95	0.78
Evadne spp. (n=1931-train=11064)		0.91	0.89	0.90
Temora spp. (n=1416-train=7347)		0.74	0.50	0.60
Pseudocalanus spp. (n=1044-train=4845)		0.80	0.39	0.53
Oithona spp. (n=345-train=5881)		0.85	0.69	0.76
Bryozoa (larvae) (n=248-train=1142)		0.93	0.60	0.73
Podon/Pleopsis spp. (n=230-train=7347)		0.40	0.34	0.37
Calanoida (ci-ciii) (n=130-train=5557)		0.15	0.13	0.14
Oikopleura spp. (n=115-train=5305)		0.76	0.76	0.76
Centropages spp. (n=88-train=3620)		0.42	0.62	0.50
Echinodermata (larvae) (n=50-train=3043)		0.41	0.14	0.21
Gastropoda (larvae/Limacina) (n=47-train=3272)		0.48	0.66	0.55
Harpacticoida- epibenthic (n=47-train=555)		0.50	0.06	0.11
Hydrozoa (medusa) (n=47-train=4052)		0.20	0.55	0.30
Bivalvia (larvae) (n=44-train=3764)		0.80	0.73	0.76
Fritillaria spp. (n=34-train=6992)		0.26	0.59	0.36
Microcalanus spp. (n=31-train=80)		0.50	0.13	0.21
Chaetognatha (n=28-train=89)		0.89	0.61	0.72
Polychaeta (larvae) (n=20-train=1577)		0.21	0.55	0.30
Calanus spp. (n=14-train=359)		0.67	0.71	0.69
Eurytemora spp. (n=10-train=1818)		0.00	0.00	0.00
Tortanus spp. (n=2-train=203)		0.20	0.50	0.29
Decapoda-non brachyura (larvae) (n=1-train=423)		0.00	0.00	0.00
macro avg		0.51	0.48	0.46
weighted avg		0.74	0.71	0.70
		precision	recall	f1-score



# Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

