

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

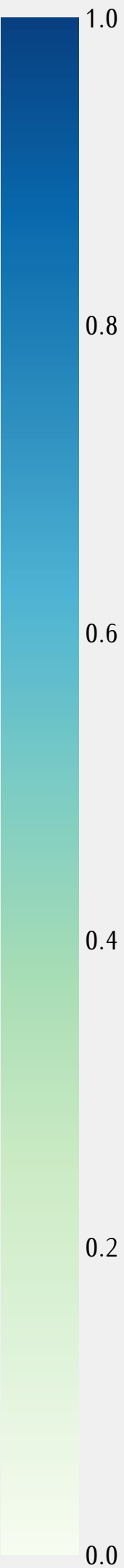
Confusion Matrix - In percent of Actual Value

Actual Values

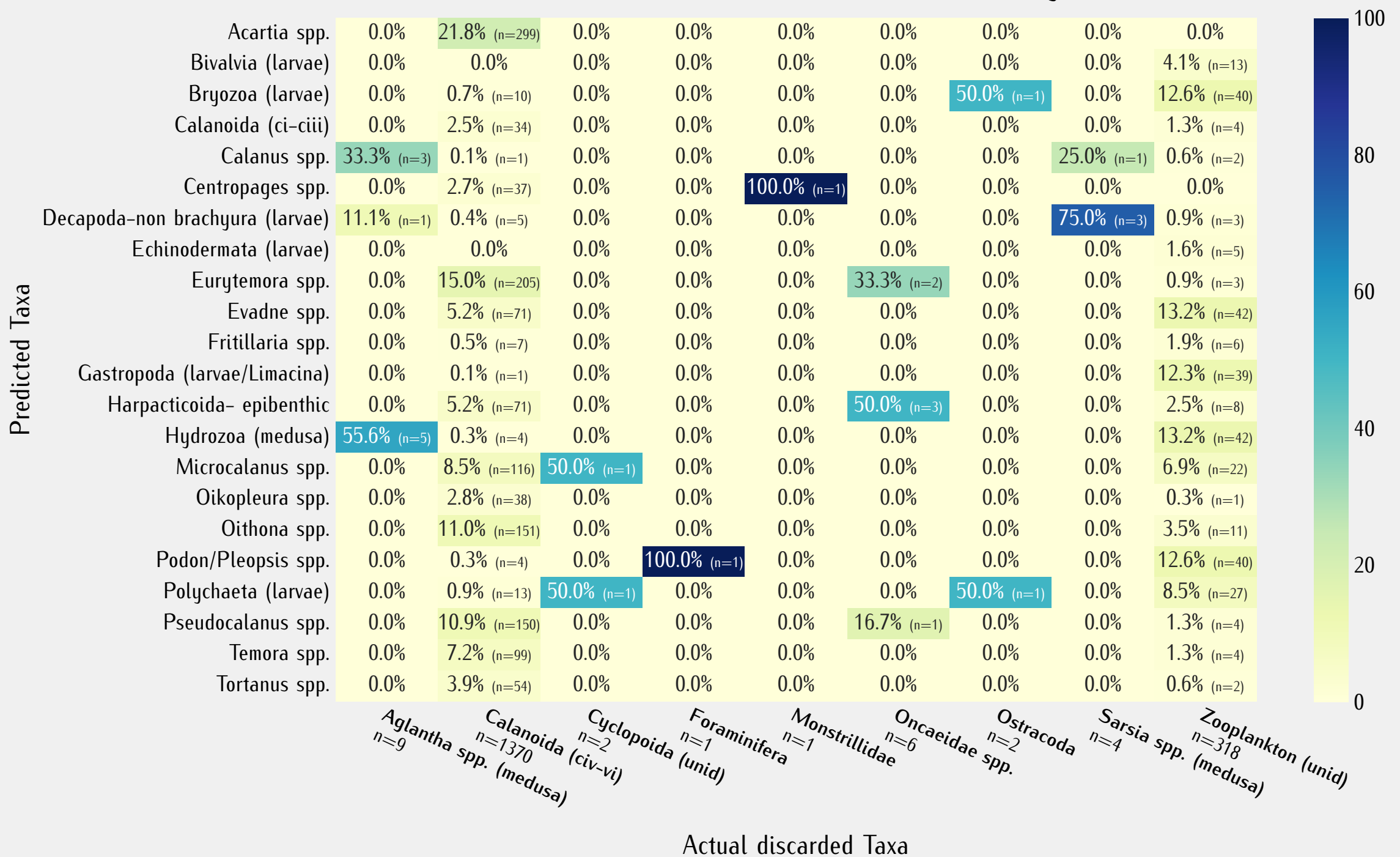
Acartia spp.	42%	<1%	5%	16%	2%			<1%	<1%	9%			4%			<1%	3%		<1%		9%	8%	<1%
Evadne spp.		80%		<1%	<1%	2%	4%	<1%			<1%	2%	<1%	9%	<1%	<1%	1%		<1%		<1%	<1%	<1%
Temora spp.	10%	2%	36%	10%	3%	<1%	<1%	2%		8%			2%	<1%			4%		<1%		14%	8%	<1%
Pseudocalanus spp.	18%		8%	44%	<1%			<1%		9%			2%				5%		<1%	<1%	10%	2%	1%
Oithona spp.	13%	<1%	<1%	<1%	74%				<1%	1%	<1%		1%			<1%					3%	3%	
Bryozoa (larvae)		22%			<1%	51%	<1%	<1%			2%		10%	8%		1%	<1%		4%				
Podon/Pleopsis spp.		10%	20%			2%	6%		<1%	<1%		<1%	1%	<1%			27%		17%		5%	1%	8%
Calanoida (ci-ciui)	8%	14%	5%	6%	6%	2%	6%	2%		3%			5%			<1%	28%		2%	<1%	5%	4%	2%
Oikopleura spp.				2%	3%				37%		2%					10%		32%		<1%	<1%	4%	9%
Centropages spp.	6%		1%	2%						70%										1%		16%	3%
Echinodermata (larvae)					20%		2%		8%	2%	18%					40%			2%			6%	2%
Gastropoda (larvae/Limacina)							4%					57%		13%	11%			15%					
Harpacticoida- epibenthic	4%		6%	13%	2%							55%	2%				4%				13%		
Hydrozoa (medusa)		2%	11%		2%	6%			2%		2%			36%		9%	4%		4%	9%		4%	9%
Bivalvia (larvae)						9%	2%					9%		7%	70%				2%				
Fritillaria spp.					12%				32%		3%					50%		3%					
Microcalanus spp.		6%		3%		6%											58%		3%		16%	6%	
Chaetognatha								4%					4%					89%		4%			
Polychaeta (larvae)	5%	10%			5%		5%					10%	10%	5%			10%		25%		5%	5%	5%
Calanus spp.																				86%		7%	7%
Eurytemora spp.				30%						50%			10%								10%		
Tortanus spp.																						100%	
Decapoda-non brachyura (larvae)																				100%			
Acartia spp. Evadne spp. Temora spp. Pseudocalanus spp. Oithona spp. Bryozoa (larvae) Podon/Pleopsis spp. Calanoida (ci-ciui) 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)																							
Predicted Values																							

Classification Report Matrix
max 200 learning objects per class

	precision	recall	f1-score
Acartia spp. (n=2490-train=200)	0.73	0.42	0.53
Evadne spp. (n=1931-train=200)	0.92	0.80	0.85
Temora spp. (n=1416-train=200)	0.66	0.36	0.46
Pseudocalanus spp. (n=1044-train=200)	0.45	0.44	0.44
Oithona spp. (n=345-train=200)	0.66	0.74	0.70
Bryozoa (larvae) (n=248-train=200)	0.72	0.51	0.60
Podon/Pleopsis spp. (n=230-train=200)	0.13	0.06	0.08
Calanoida (ci-ciui) (n=130-train=200)	0.04	0.02	0.02
Oikopleura spp. (n=115-train=200)	0.57	0.37	0.45
Centropages spp. (n=88-train=200)	0.12	0.70	0.21
Echinodermata (larvae) (n=50-train=200)	0.35	0.18	0.24
Gastropoda (larvae/Limacina) (n=47-train=200)	0.40	0.57	0.47
Harpacticoida- epibenthic (n=47-train=200)	0.11	0.55	0.18
Hydrozoa (medusa) (n=47-train=200)	0.07	0.36	0.12
Bivalvia (larvae) (n=44-train=200)	0.84	0.70	0.77
Fritillaria spp. (n=34-train=200)	0.24	0.50	0.32
Microcalanus spp. (n=31-train=80)	0.05	0.58	0.09
Chaetognatha (n=28-train=89)	0.40	0.89	0.55
Polychaeta (larvae) (n=20-train=200)	0.06	0.25	0.09
Calanus spp. (n=14-train=200)	0.46	0.86	0.60
Eurytemora spp. (n=10-train=200)	0.00	0.10	0.00
Tortanus spp. (n=2-train=200)	0.01	1.00	0.01
Decapoda-non brachyura (larvae) (n=1-train=200)	0.00	0.00	0.00
macro avg	0.35	0.48	0.34
weighted avg	0.67	0.51	0.56
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

