

Use of SCN features: Yes
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

Acartia spp.	96%	<1%	2%	<1%	<1%			<1%	<1%	<1%						<1%	<1%						
Evadne spp.	<1%	89%	<1%	<1%	<1%	<1%	4%	<1%			<1%	1%	<1%	4%	<1%	<1%			<1%				
Temora spp.	40%	3%	47%	4%	<1%	<1%	<1%	3%		2%									<1%		<1%		
Pseudocalanus spp.	54%		8%	36%				<1%		1%										<1%	<1%		
Oithona spp.	30%	<1%	<1%		66%			<1%				<1%				1%							
Bryozoa (larvae)		35%	<1%		<1%	50%	2%	2%			1%		<1%	6%		<1%			1%				
Podon/Pleopsis spp.	13%	15%	22%	2%			30%	1%	<1%	<1%				2%					8%				7%
Calanoida (ci-ciii)	35%	16%	10%	5%	4%		12%	15%		<1%									<1%	<1%			<1%
Oikopleura spp.	2%		3%	<1%	2%					72%						14%		2%					4%
Centropages spp.	19%		3%	1%							70%											3%	2%
Echinodermata (larvae)	12%				10%		2%		2%			14%		2%		54%			2%				2%
Gastropoda (larvae/Limacina)							4%					70%		4%	15%				6%				
Harpacticoida- epibenthic	87%	2%	2%		4%								2%								2%		
Hydrozoa (medusa)	4%		2%			6%	6%				2%			51%		13%			2%	4%			9%
Bivalvia (larvae)						7%	7%					5%		7%	70%				5%				
Fritillaria spp.	6%				6%				26%							62%							
Microcalanus spp.	23%	16%	13%	6%			16%	19%									6%						
Chaetognatha										43%								50%	4%	4%			
Polychaeta (larvae)	5%	15%	5%	5%	5%		10%					10%							40%				5%
Calanus spp.				7%							7%									79%			7%
Eurytemora spp.	70%		10%	20%																			
Tortanus spp.	50%																					50%	
Decapoda-non brachyura (larvae)																				100%			

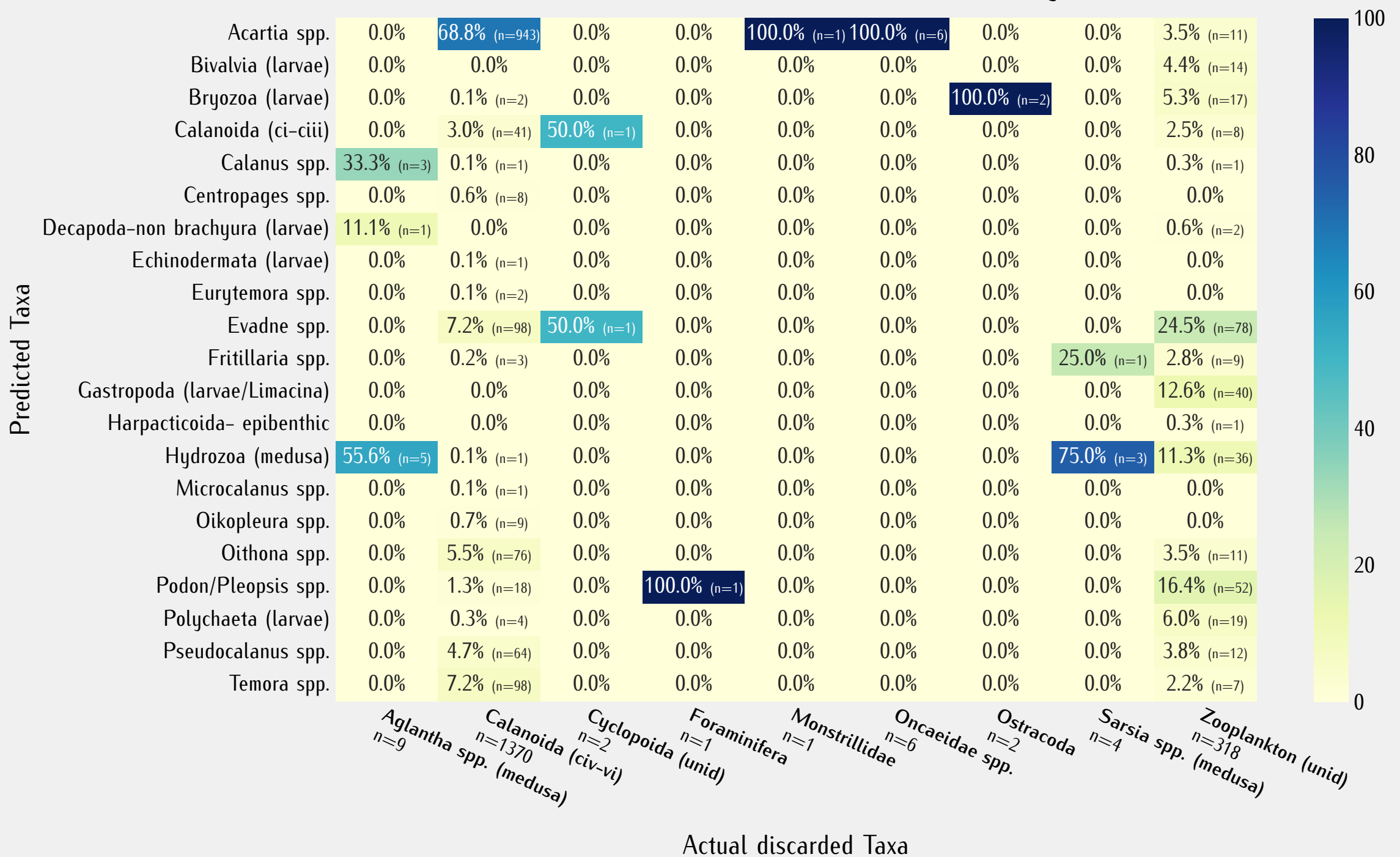
Acartia spp.
Evadne spp.
Temora spp.
Pseudocalanus spp.
Oithona spp.
Bryozoa (larvae)
Podon/Pleopsis spp.
Calanoida (ci-ciii)
Oikopleura spp.
Centropages spp.
Echinodermata (larvae)
Gastropoda (larvae/Limacina)
Harpacticoida- epibenthic
Hydrozoa (medusa)
Bivalvia (larvae)
Fritillaria spp.
Microcalanus spp.
Chaetognatha
Polychaeta (larvae)
Calanus spp.
Eurytemora spp.
Tortanus spp.
Decapoda-non brachyura (larvae)

Predicted Values

	precision	recall	f1-score
Acartia spp. (n=2490-train=111319)	0.63	0.96	0.76
Evadne spp. (n=1931-train=11064)	0.89	0.89	0.89
Temora spp. (n=1416-train=7347)	0.76	0.47	0.58
Pseudocalanus spp. (n=1044-train=4845)	0.83	0.36	0.50
Oithona spp. (n=345-train=5881)	0.84	0.66	0.74
Bryozoa (larvae) (n=248-train=1142)	0.90	0.50	0.64
Podon/Pleopsis spp. (n=230-train=7347)	0.36	0.30	0.33
Calanoida (ci-ciii) (n=130-train=5557)	0.21	0.15	0.17
Oikopleura spp. (n=115-train=5305)	0.78	0.72	0.75
Centropages spp. (n=88-train=3620)	0.54	0.70	0.61
Echinodermata (larvae) (n=50-train=3043)	0.41	0.14	0.21
Gastropoda (larvae/Limacina) (n=47-train=3272)	0.57	0.70	0.63
Harpacticoida- epibenthic (n=47-train=555)	0.33	0.02	0.04
Hydrozoa (medusa) (n=47-train=4052)	0.18	0.51	0.27
Bivalvia (larvae) (n=44-train=3764)	0.78	0.70	0.74
Fritillaria spp. (n=34-train=6992)	0.25	0.62	0.36
Microcalanus spp. (n=31-train=80)	0.67	0.06	0.12
Chaetognatha (n=28-train=89)	0.88	0.50	0.64
Polychaeta (larvae) (n=20-train=1577)	0.20	0.40	0.26
Calanus spp. (n=14-train=359)	0.61	0.79	0.69
Eurytemora spp. (n=10-train=1818)	0.00	0.00	0.00
Tortanus spp. (n=2-train=203)	0.25	0.50	0.33
Decapoda-non brachyura (larvae) (n=1-train=423)	0.00	0.00	0.00
macro avg	0.52	0.46	0.45
weighted avg	0.73	0.70	0.68
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

