

Use of SCN features: Yes
Max learning objects: 20000 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

Classification Report Matrix
max 20000 learning objects per class

Actual Values

	Acartia spp.	Evadne spp.	Temora spp.	Pseudocalanus spp.	Oithona spp.	Bryozoa (larvae)	Podon/Pleopsis spp.	Calanoida (ci-cüi)	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.	82%	<1%	6%	4%	1%	<1%	1%	<1%	3%				<1%		<1%					<1%									
Evadne spp.	<1%	89%	<1%	<1%	<1%	<1%	4%	<1%			<1%	1%	4%	<1%	<1%	<1%			<1%										
Temora spp.	20%	2%	58%	6%	2%	<1%	<1%	6%		4%						<1%		2%											
Pseudocalanus spp.	32%		11%	47%				3%		4%					<1%		<1%	<1%	2%										
Oithona spp.	18%	1%	<1%		74%			1%	<1%	1%	<1%			2%					<1%										
Bryozoa (larvae)		32%	<1%		<1%	53%	2%	1%			2%		7%	<1%	<1%			1%											
Podon/Pleopsis spp.	3%	15%	26%	3%			29%	5%	<1%	<1%			<1%				10%		<1%									7%	
Calanoida (ci-cüi)	21%	16%	12%	4%	4%		14%	22%		4%							<1%		2%	<1%									<1%
Oikopleura spp.	<1%		4%	<1%	2%				71%								13%		2%										6%
Centropages spp.	10%		3%	1%						80%										1%						3%		1%	
Echinodermata (larvae)	2%				18%		2%	2%	2%		16%						54%		2%										2%
Gastropoda (larvae/Limacina)		2%					4%					66%	4%		15%			9%											
Hydrozoa (medusa)			4%			6%	6%				2%		51%		17%						6%								6%
Harpacticoida- epibenthic	43%	2%	9%	6%	6%			4%						26%						4%									
Bivalvia (larvae)						7%	7%					5%	7%			70%			5%										
Fritillaria spp.					12%				29%								59%												
Microcalanus spp.	10%	16%	13%	13%			16%	19%			3%						6%			3%									
Chaetognatha									32%									57%	4%	7%									
Polychaeta (larvae)	5%	20%	5%	5%	5%		10%				5%								40%										5%
Calanus spp.				7%						7%											86%								
Eurytemora spp.	20%		20%	30%						30%																			
Aglantha spp. (medusa)												33%										56%							11%
Oncaeidae spp.	50%												50%																
Sarsia spp. (medusa)											50%			25%								25%							
Ostracoda						100%																							
Tortanus spp.										50%																	50%		
Monstrillidae	100%																												
Decapoda-non brachyura (larvae)																				100%									

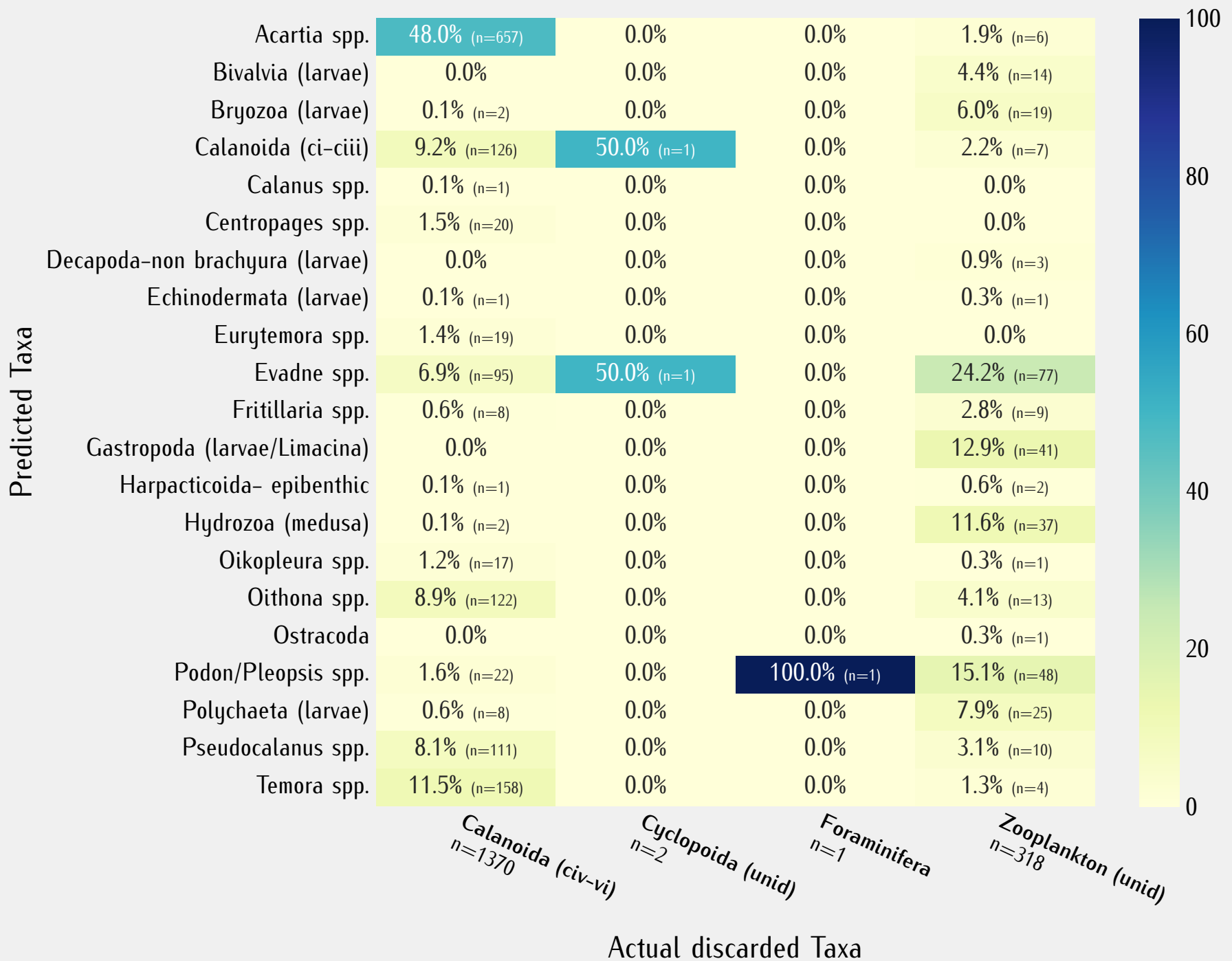
Predicted Values

Predicted Values

	Classification Report Matrix		
	precision	recall	f1-score
Acartia spp. (n=2490-train=20000)	0.73	0.82	0.77
Evadne spp. (n=1931-train=11064)	0.90	0.89	0.89
Temora spp. (n=1416-train=7347)	0.69	0.58	0.63
Pseudocalanus spp. (n=1044-train=4845)	0.69	0.47	0.56
Oithona spp. (n=345-train=5881)	0.76	0.74	0.75
Bryozoa (larvae) (n=248-train=1142)	0.90	0.53	0.67
Podon/Pleopsis spp. (n=230-train=7347)	0.35	0.29	0.32
Calanoida (ci-ciüi) (n=130-train=5557)	0.14	0.22	0.17
Oikopleura spp. (n=115-train=5305)	0.77	0.71	0.74
Centropages spp. (n=88-train=3620)	0.26	0.80	0.39
Echinodermata (larvae) (n=50-train=3043)	0.44	0.16	0.24
Gastropoda (larvae/Limacina) (n=47-train=3272)	0.56	0.66	0.61
Hydrozoa (medusa) (n=47-train=4052)	0.19	0.51	0.28
Harpacticoida- epibenthic (n=47-train=555)	0.63	0.26	0.36
Bivalvia (larvae) (n=44-train=3764)	0.78	0.70	0.74
Fritillaria spp. (n=34-train=6992)	0.22	0.59	0.33
Microcalanus spp. (n=31-train=80)	0.40	0.06	0.11
Chaetognatha (n=28-train=89)	0.89	0.57	0.70
Polychaeta (larvae) (n=20-train=1577)	0.16	0.40	0.23
Calanus spp. (n=14-train=359)	0.63	0.86	0.73
Eurytemora spp. (n=10-train=1818)	0.00	0.00	0.00
Aglantha spp. (medusa) (n=9-train=22)	0.56	0.56	0.56
Oncaeidae spp. (n=6-train=18)	0.00	0.00	0.00
Sarsia spp. (medusa) (n=4-train=4)	0.00	0.00	0.00
Ostracoda (n=2-train=25)	0.00	0.00	0.00
Tortanus spp. (n=2-train=203)	0.25	0.50	0.33
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	0.43	0.42	0.40
weighted avg	0.73	0.70	0.70
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

