

Use of SCN features: No  
Max learning objects: 200 objects/class  
Strategy N° 4

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

Confusion Matrix - In percent of Actual Value

Classification Report Matrix  
max 200 learning objects per class

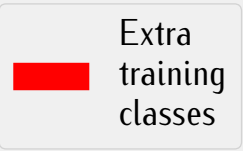
precision    recall    f1-score

Actual Values

Acartia spp.	48%	<1%	7%	15%	4%	<1%		3%	<1%	<1%	<1%	10%			<1%	3%				2%	<1%	<1%		3%	4%
Evadne spp.		79%		<1%	<1%	7%	6%	<1%			<1%		1%	<1%		<1%		<1%			3%	2%	<1%		<1%
Temora spp.	11%	<1%	36%	9%	6%	<1%	<1%	4%		<1%		4%				3%		<1%		2%	4%	4%		1%	14%
Pseudocalanus spp.	20%		11%	44%	<1%		<1%	4%		<1%	<1%	5%				5%			<1%	6%		<1%		1%	2%
Oithona spp.	8%	<1%	<1%	<1%	82%	<1%		<1%				<1%			3%				<1%			<1%		<1%	2%
Bryozoa (larvae)		5%				83%	2%					<1%		1%	<1%			<1%			1%	5%			
Podon/Pleopsis spp.		6%	5%	<1%			3%	22%		<1%	<1%		<1%			15%		15%		<1%	15%	17%			<1%
Calanoida (ci-ciii)	9%	6%	3%	5%	6%	2%	5%	3%			<1%	3%				20%			2%	3%	5%	23%			4%
Oikopleura spp.				3%	3%	<1%		<1%	64%		<1%				10%		9%		2%	<1%			<1%	5%	<1%
Centropages spp.	16%		5%	1%						72%									1%	3%				2%	
Echinodermata (larvae)	8%				24%		2%		2%		28%				28%			4%			2%				2%
Harpacticoida- epibenthic		2%	4%	2%	6%			4%				68%				2%						2%		4%	4%
Gastropoda (larvae/Limacina)		9%					11%						64%	13%				4%							
Bivalvia (larvae)						5%	7%						11%	77%											
Fritillaria spp.				15%					9%		6%				71%										
Microcalanus spp.		3%		3%				6%				6%				52%		13%			3%	6%			6%
Chaetognatha									21%						4%		71%		4%						
Polychaeta (larvae)					10%		10%				5%		5%	5%		5%		25%			10%	15%	5%		5%
Calanus spp.										7%									93%						
Eurytemora spp.	30%		20%	20%								10%								20%					

Acartia spp.  
Evadne spp.  
Temora spp.  
Pseudocalanus spp.  
Oithona spp.  
Bryozoa (larvae)  
Podon/Pleopsis spp.  
Calanoida (ci-ciii)  
Oikopleura spp.  
Centropages spp.  
Echinodermata (larvae)  
Harpacticoida- epibenthic  
Gastropoda (larvae/Limacina)  
Bivalvia (larvae)  
Fritillaria spp.  
Microcalanus spp.  
Chaetognatha  
Polychaeta (larvae)  
Calanus spp.  
Eurytemora spp.  
Cirripedia (larvae)  
Copepoda (larvae)  
Obelia spp. (medusa)  
Euphausiacea (larvae)  
Euphausiacea (nauplii)

Predicted Values

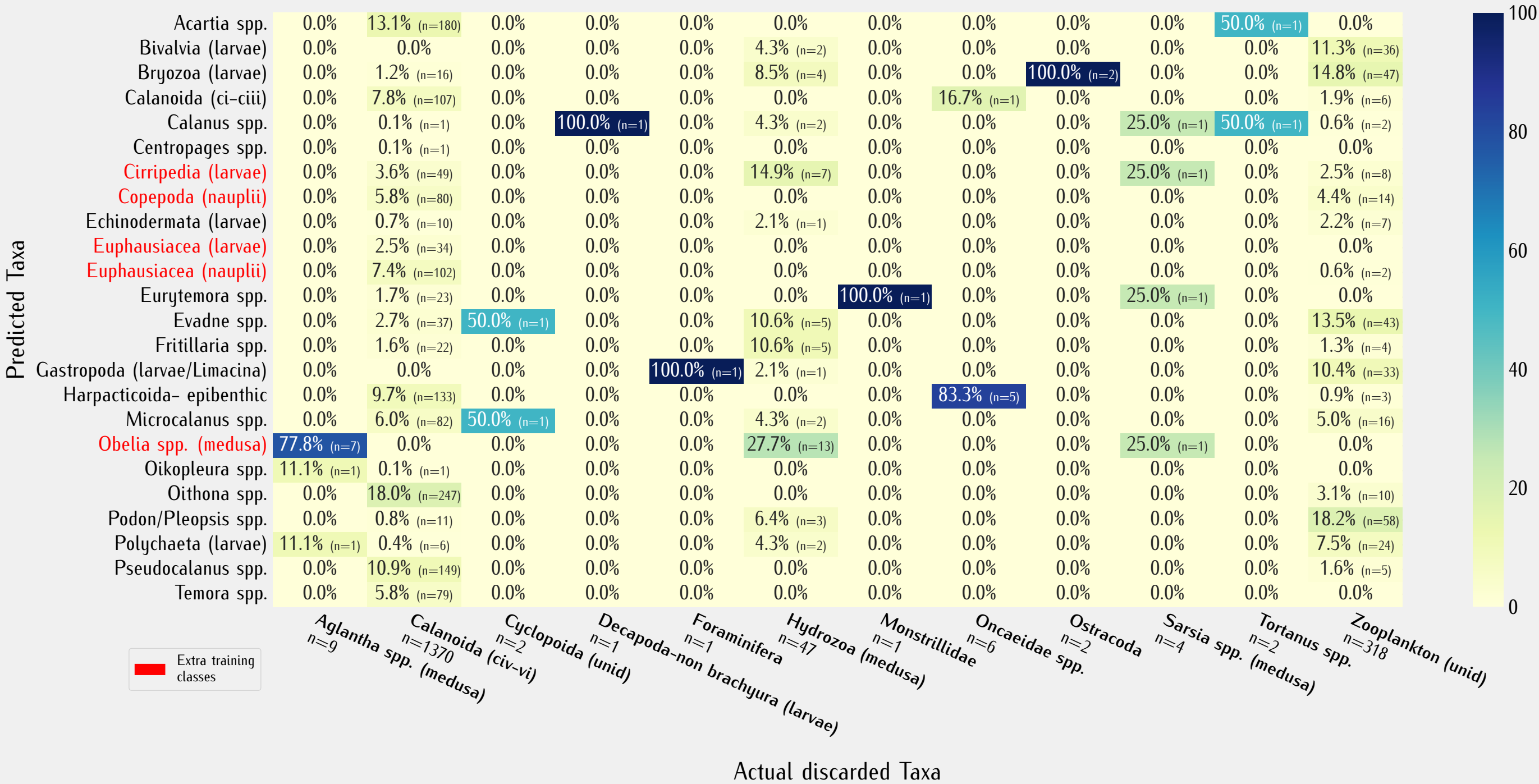


Acartia spp. (n=2490-train=200)	0.73	0.48	0.58
Evadne spp. (n=1931-train=200)	0.96	0.79	0.87
Temora spp. (n=1416-train=200)	0.62	0.36	0.45
Pseudocalanus spp. (n=1044-train=200)	0.47	0.44	0.45
Oithona spp. (n=345-train=200)	0.55	0.82	0.66
Bryozoa (larvae) (n=248-train=119)	0.58	0.83	0.68
Podon/Pleopsis spp. (n=230-train=200)	0.25	0.22	0.23
Calanoida (ci-ciii) (n=130-train=200)	0.02	0.03	0.03
Oikopleura spp. (n=115-train=200)	0.86	0.64	0.74
Centropages spp. (n=88-train=40)	0.85	0.72	0.78
Echinodermata (larvae) (n=50-train=200)	0.39	0.28	0.33
Harpacticoida- epibenthic (n=47-train=136)	0.08	0.68	0.15
Gastropoda (larvae/Limacina) (n=47-train=110)	0.48	0.64	0.55
Bivalvia (larvae) (n=44-train=71)	0.62	0.77	0.69
Fritillaria spp. (n=34-train=200)	0.30	0.71	0.42
Microcalanus spp. (n=31-train=80)	0.07	0.52	0.12
Chaetognatha (n=28-train=67)	0.67	0.71	0.69
Polychaeta (larvae) (n=20-train=200)	0.09	0.25	0.13
Calanus spp. (n=14-train=200)	0.59	0.93	0.72
Eurytemora spp. (n=10-train=88)	0.01	0.20	0.03
Cirripedia (larvae) (n=0-train=200)	-	-	-
Copepoda (nauplii) (n=0-train=200)	-	-	-
Obelia spp. (medusa) (n=0-train=43)	-	-	-
Euphausiacea (larvae) (n=0-train=75)	-	-	-
Euphausiacea (nauplii) (n=0-train=122)	-	-	-
macro avg (corr)	0.46	0.55	0.46
weighted avg	0.69	0.54	0.59

precision    recall    f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

