

Use of SCN features: Yes
Max learning objects: 5000 objects/class
Strategy N° 3

NL 2020 Selected Samples prediction using NL 2020 training set,
Learning with selected samples classes with no low regional training instances, no extra training categories,
No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

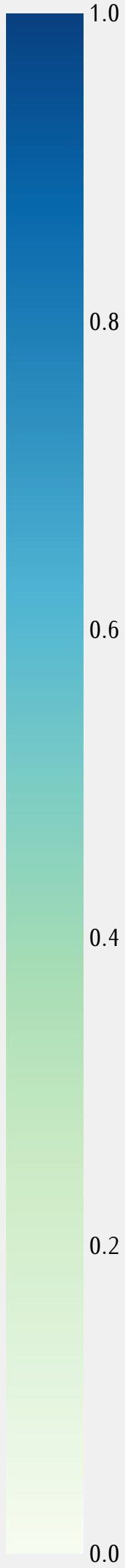
Confusion Matrix - In percent of Actual Value

Classification Report Matrix
max 5000 learning objects per class

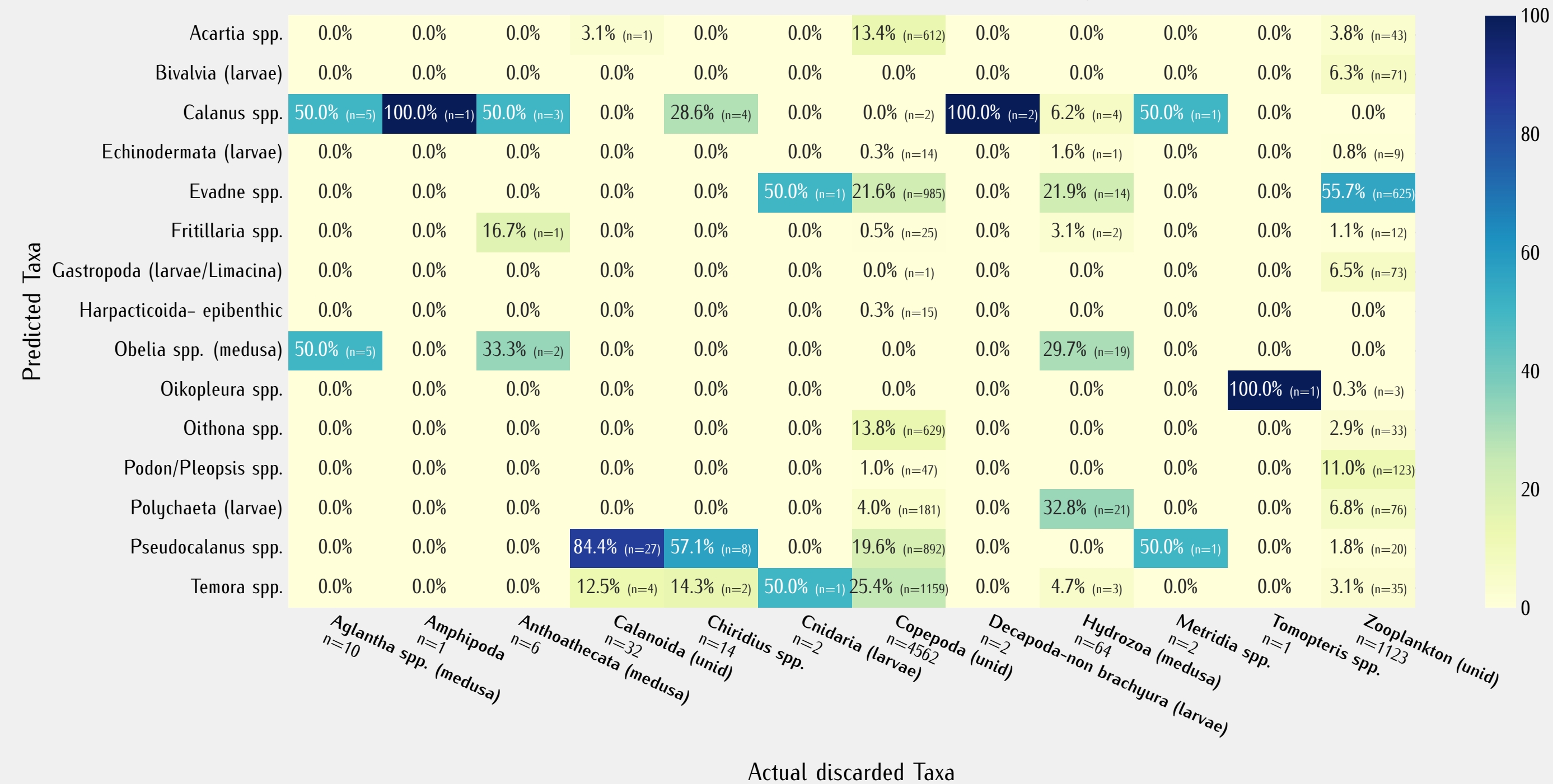
Actual Values

Actual Values	Temora spp.	61%	9%	5%	20%		<1%		<1%	3%				<1%				1%	
	Acartia spp.	22%	59%	2%	12%		<1%			3%				<1%		<1%		<1%	
	Evadne spp.	<1%	<1%	96%	<1%		2%		<1%	<1%	<1%					<1%		<1%	
	Pseudocalanus spp.	31%	16%	<1%	51%					<1%				<1%	<1%		<1%	<1%	
	Centropages spp.	22%	72%		4%	2%													
	Podon/Pleopsis spp.	29%	<1%	18%	4%		11%			<1%				<1%			<1%	36%	
	Eurytemora spp.	34%	13%	12%	18%					17%			2%					3%	
	Gastropoda (larvae/Limacina)			17%			23%		35%		12%							13%	
	Oithona spp.		5%	5%						89%						1%			
	Bivalvia (larvae)								18%		82%								
	Oikopleura spp.	1%	1%									71%		1%	1%	23%			
	Harpacticoida- epibenthic	8%	30%	2%	34%					4%			20%					2%	
	Calanus spp.		4%		12%									84%					
	Chaetognatha				7%							20%			73%				
	Fritillaria spp.									14%						86%			
	Echinodermata (larvae)			20%			20%			20%						40%			
	Obelia spp. (medusa)																	100%	
	Polychaeta (larvae)				100%														
			Temora spp.	Acartia spp.	Evadne spp.	Pseudocalanus spp.	Centropages spp.	Podon/Pleopsis spp.	Eurytemora spp.	Gastropoda (larvae/Limacina)	Oithona spp.	Bivalvia (larvae)	Oikopleura spp.	Harpacticoida- epibenthic	Calanus spp.	Chaetognatha	Fritillaria spp.	Echinodermata (larvae)	Obelia spp. (medusa)
		Predicted Values																	

	precision	recall	f1-score
Temora spp. (n=18103-train=5000)	0.72	0.61	0.66
Acartia spp. (n=13302-train=5000)	0.76	0.59	0.66
Evadne spp. (n=5228-train=2845)	0.78	0.96	0.86
Pseudocalanus spp. (n=3053-train=4552)	0.22	0.51	0.31
Centropages spp. (n=330-train=40)	1.00	0.02	0.05
Podon/Pleopsis spp. (n=253-train=201)	0.18	0.11	0.13
Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00
Gastropoda (larvae/Limacina) (n=112-train=110)	0.52	0.35	0.42
	0.08	0.89	0.14
	0.80	0.82	0.81
Oithona spp. (n=98-train=1409)	0.08	0.89	0.14
Bivalvia (larvae) (n=92-train=71)	0.80	0.82	0.81
Oikopleura spp. (n=70-train=761)	0.94	0.71	0.81
Harpacticoida- epibenthic (n=50-train=136)	0.16	0.20	0.18
	0.88	0.84	0.86
	0.92	0.73	0.81
Chaetognatha (n=15-train=67)	0.92	0.73	0.81
Fritillaria spp. (n=7-train=3447)	0.05	0.86	0.09
Echinodermata (larvae) (n=5-train=276)	0.00	0.00	0.00
Obelia spp. (medusa) (n=1-train=43)	1.00	1.00	1.00
Polychaeta (larvae) (n=1-train=452)	0.00	0.00	0.00
macro avg	0.50	0.51	0.43
weighted avg	0.70	0.63	0.65
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

