Use of SCN features: Yes

Max learning objects: Maximum objects/class Strategy N° 3

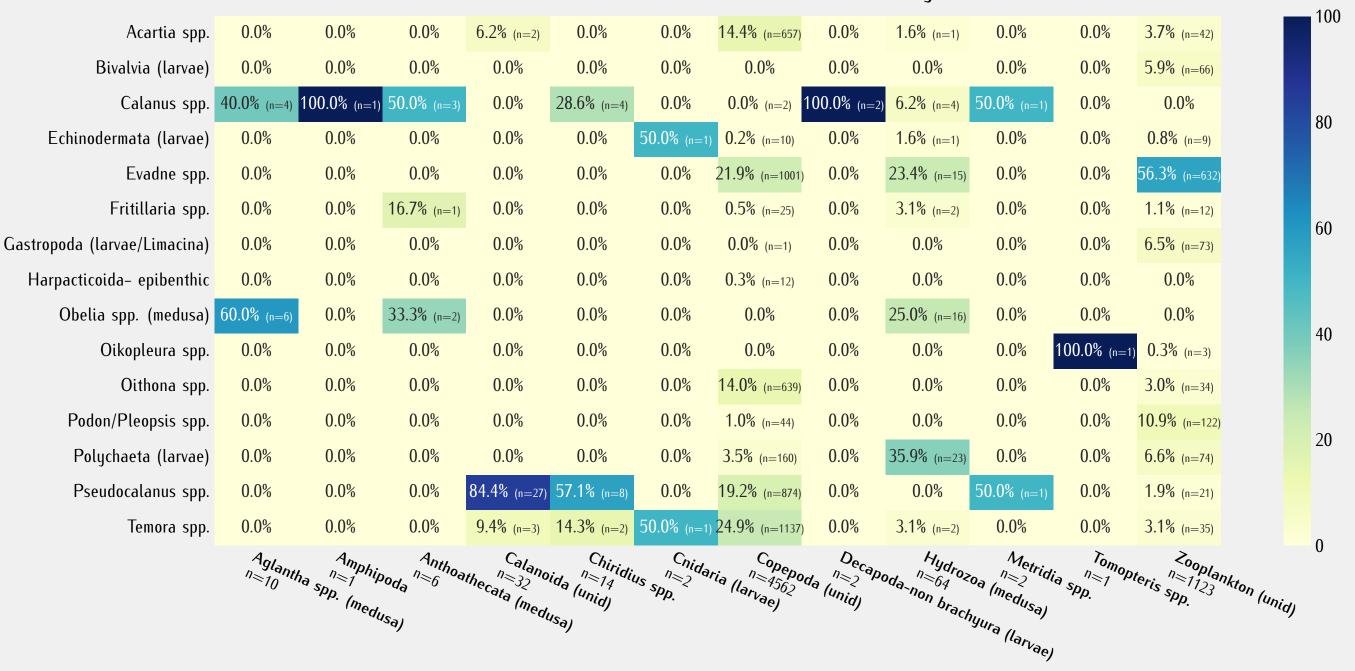
## NL 2020 Selected Samples prediction using NL 2020 training set, Learning with selected samples classes with no low regional training instances, no extra training categories, No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

Classification Report Matrix max available learning objects per class

precision recall f1-score

							Confusio	on Matr	rix – In <sub>I</sub>	percent o	of Actual	Value							max available learning objects per class				
															precision	recall	f1-score						
Temora spp.	60%	10%	5%	20%		<1%		<1%	3%			<1%			<1%	<1%		1%	<b>Temora spp.</b> (n=18103-train=5148)	0.73	0.60	0.66	
Acartia spp.	21%	61%	2%	12%		<1%			3%			<1%			<1%	<1%		<1%	<b>Acartia spp.</b> (n=13302-train=5448)	0.76	0.61	0.67	
Evadne spp.	<1%	<1%	96%	<1%		2%		<1%	<1%	<1%						<1%		<1%	<b>Evadne spp.</b> (n=5228-train=2845)	0.78	0.96	0.86	
Pseudocalanus spp.	30%	17%	<1%	51%					<1%			<1%	<1%		<1%			<1%	Pseudocalanus spp. (n=3053-train=4552)		0.51	0.31	1.0
Centropages spp.	21%	73%		3%	2%												<1%				0.02	0.05	
Podon/Pleopsis spp.	28%	<1%	18%	3%		13%			<1%				<1%			1%		35%	Centropages spp. (n=330-train=40)	1.00	0.02	0.05	
Eurytemora spp.	31%	16%	13%	18%					19%			2%				<1%		1%	Podon/Pleopsis spp. (n=253-train=201)	0.22	0.13	0.16	0.8
Gastropoda (larvae/Limacina)			16%			23%		34%		12%								14%	Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00	
Oithona spp.		6%	4%						88%						2%				Gastropoda (larvae/Limacina) (n=112-train=110)	0.51	0.34	0.41	
Bivalvia (larvae)								18%		82%									Oithona spp. (n=98-train=1409)	0.07	0.88	0.13	0.6
Oikopleura spp.	1%	1%									74%		1%	1%	20%				Bivalvia (larvae) (n=92-train=71)	0.79	0.82	0.80	
Harpacticoida- epibenthic	8%	30%	2%	28%					8%			22%						2%	<b>Oikopleura spp.</b> (n=70-train=761)	0.95	0.74	0.83	
Calanus spp.				16%									84%						(11—70-11411—701)				
Chaetognatha				7%							20%			73%					Harpacticoida- epibenthic (n=50-train=136)	0.21	0.22	0.21	0.4
Fritillaria spp.									29%						71%				Calanus spp. (n=25-train=213)	0.88	0.84	0.86	
Echinodermata (larvae)			20%			20%			20%						40%				Chaetognatha (n=15-train=67)	0.92	0.73	0.81	
Obelia spp. (medusa)																	100%		Fritillaria spp. (n=7-train=3447)	0.05	0.71	0.09	0.2
Polychaeta (larvae)				100%															Echinodermata (larvae) (n=5-train=276)	0.00	0.00	0.00	
	Temora S	Acarria S	Evadno	Selido	Centrope Stanus Spp.	Podon/Plages Spp.	Curytemora St.	Castropo	Oithona	Bivalvia Op.	Oikopleul	Harpacti	Coldanus Coida Coida Coida Coida Coibenthi	Chaetogh	Pritilland	Chinodo	Obelia St.	Polychaeta De (medysa)			1.00	0.67	
	<b>9</b>	<b>%</b> .	%	Pp.	Tanus Sp	yes lo	SODS'S STANDED	200 201	a lano	92.	larvae)		Oida en		Alha .	500.	Mata (S	D. Med.	(n=1-train=43)				0.0
					<i>₩</i>		<i>7</i> 0.		Oithona Salanae Linae	in <sub>a)</sub>			"Ibenth	i.			naej	Usaj	Polychaeta (larvae) (n=1-train=452)	0.00	0.00	0.00	
										d Values									macro avg	0.48	0.51	0.42	
																			weighted avg	0.70	0.63	0.65	

## Predictions of discarded taxa from training



Predicted

Relative Abundance of Top Taxonomic Instances per Sample Val Pred 1.0 -0.8 -Relative Abundance 0.4 0.2 -0.0 S21 S22 S23 S24 S25 S26 S27 S28 S29 S30 Sample Short ID

