Use of SCN features: Yes

Max learning objects: 5000 objects/class Strategy N° 2

Actual Values

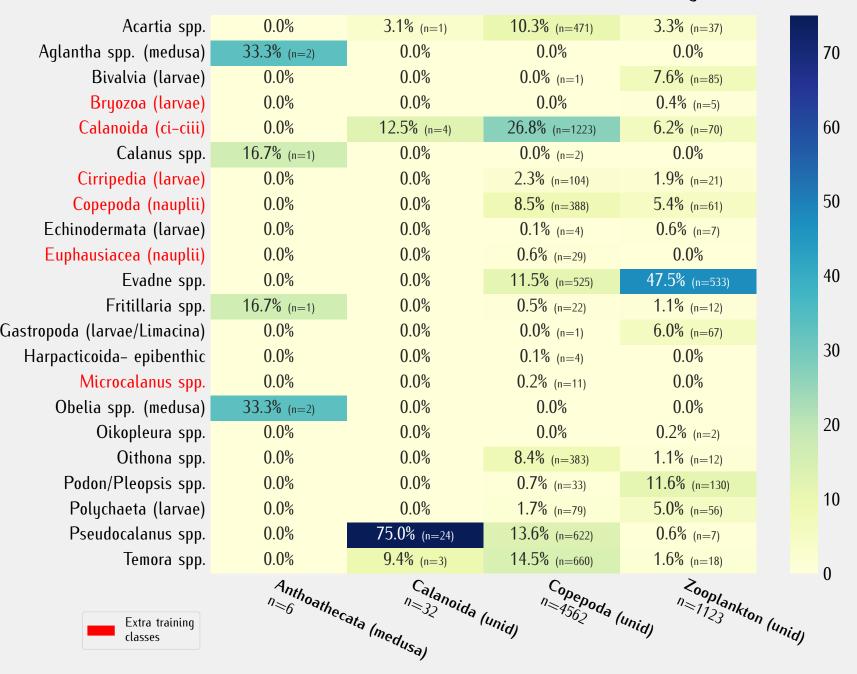
## NL 2020 Selected Samples prediction using NL 2020 training set, Learning with all classes present in the selected samples, with extra training categories, No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

											Cor	ıfusi	on M	1atı	ix - I	ln pe	rcent	t of Ac	tual Va	alue													
Temora spp.	52%	8%	3%	17%		<1%		2%				<1%				<1%	<1%	<1%				<1%			12%	1%	2%	<1%		<1%			
Acartia spp.	18%	56%	<1%	10%		<1%		2%				<1%					<1%	<1%				<1%			9%	<1%	1%	<1%		<1%			
Evadne spp.	<1%	<1%	92%	<1%		2%	<19	6 <1%	<1%								<1%	<1%				<1%		<1%	2%	2%	1%						
Pseudocalanus spp.	29%	16%	<1%	46%				<1%	á			<1%	<1%				<1%					<1%			8%	<1%	<1%	<1%		<1%			
Centropages spp.	21%	72%		3%	3%					<1%			<1%													<1%	<1%						
Podon/Pleopsis spp.	22%		11%	3%		9%							<1%									23%			4%	10%	16%	<1%					
Eurytemora spp.	13%	12%	3%	2%				15%																	48%		7%						
Gastropoda (larvae/Limacina)			12%			21%	36%		14%													12%					4%						
Oithona spp.		5%	4%					86%	L								3%	1%							1%								
Bivalvia (larvae)							15%		85%																								
Oikopleura spp.	1%	1%								74%			1%	1%	;		20%																
Hydrozoa (medusa)	2%	2%	16%								3%		3%			25%	3%				14%	12%			2%	16%							
Harpacticoida- epibenthic		22%		30%				4%				16%										2%			16%		2%		2%				
Calanus spp.				16%									84%																				
Chaetognatha				7%						20%			200	739	6																		
Chiridius spp.				50%									36%			70%					10%												
Aglantha spp. (medusa) Fritillaria spp.								14%					20%			70%	71%				10%				14%								
Echinodermata (larvae)			20%			20%		20%									20%								20%								
Metridia spp.			200	50%		200		200					50%				200								200							D	Эес
Decapoda-non brachyura (larvae)													100%																				
Cnidaria (larvae)																											50%						
Obelia spp. (medusa)																				1	100%												
Polychaeta (larvae)				100%																													
Amphipoda													100%																				
Tomopteris spp.		100%																															
	Teme.	Acar.	Evadi Spp.	PSelle SPP.	Centle Centle	Podon/k	Curytemora Peopsis Spp.	Oith Tropoda Spp.	Hono Spp.	Oikok Nia (land inacina)	Hydra St.	Harrioxog (M	Calar Calar adusa)	Chi Str. Chil	Sactognathe Benthic	Aglar, Spp.	Pritile SPP.	Chinode, (medusa)	Metridia Sp. Comata (lana)	Cnidari Poda non	Obelle land brachyl	Polyon (1)	Amphipoda Redusa)	Bryon Sp	Caland Cara	Cirrip Dida (ci.	Copel Copel Citi	Micro node (no	Cuphe Calanus Cuplii)		lande (naup)	(iv)	
															Predi	cted \	Value	?S													tra ining sses		

Classification Report Matrix

ma		ation Repo arning obje	rt Matrix ects per clas	SS
	precision	recall	f1-score	
<b>Temora spp.</b> (n=18103-train=5000)	0.73	0.52	0.61	
Acartia spp. (n=13302-train=5000)	0.77	0.56	0.65	
Evadne spp. (n=5228-train=2845)	0.87	0.92	0.89	
Pseudocalanus spp. (n=3053-train=4552)	0.24	0.46	0.31	
Centropages spp. (n=330-train=40)	1.00	0.03	0.05	
Podon/Pleopsis spp. (n=253-train=201)	0.17	0.09	0.12	4
Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00	1.
Gastropoda (larvae/Limacina) (n=112-train=110)	0.53	0.36	0.43	
Oithona spp. (n=98-train=1409)	0.11	0.86	0.19	
Bivalvia (larvae) (n=92-train=71)	0.76	0.85	0.80	
Oikopleura spp. (n=70-train=761)	0.93	0.74	0.83	0.
Hydrozoa (medusa) (n=64-train=21)	1.00	0.03	0.06	
Harpacticoida- epibenthic (n=50-train=136)	0.36	0.16	0.22	
Calanus spp. (n=25-train=213)	0.54	0.84	0.66	
Chaetognatha (n=15-train=67)	0.92	0.73	0.81	
Chiridius spp. (n=14-train=1)	0.00	0.00	0.00	0.
Aglantha spp. (medusa) (n=10-train=21)	0.29	0.70	0.41	
Fritillaria spp. (n=7-train=3447)	0.05	0.71	0.10	
Echinodermata (larvae) (n=5-train=276)	0.00	0.00	0.00	
Metridia spp. (n=2-train=15)	0.00	0.00	0.00	0.
Decapoda-non brachyura (larvae) (n=2-train=7)	0.00	0.00	0.00	O.
Cnidaria (larvae) (n=2-train=3)	0.00	0.00	0.00	
Obelia spp. (medusa) (n=1-train=43)	0.09	1.00	0.17	
Polychaeta (larvae) (n=1-train=452)	0.00	0.00	0.00	
Amphipoda (n=1-train=1)	0.00	0.00	0.00	0.
Tomopteris spp. (n=1-train=1)	0.00	0.00	0.00	
Bryozoa (larvae) (n=0-train=119)	-	-	-	
Calanoida (ci-ciii) (n=0-train=3713)	-	-	-	
Cirripedia (larvae) (n=0-train=611)	-	-	-	
Copepoda (nauplii) (n=0-train=1025)	-	-	-	0.
Microcalanus spp. (n=0-train=80)	-	-	-	
Euphausiacea (larvae) (n=0-train=75)	-	_	-	
Euphausiacea (nauplii) (n=0-train=122)	_	_	-	
macro avg (corr)	0.36	0.37	0.28	
weighted avg	0.72	0.57	0.62	
	precision	recall	f1-score	

## Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

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

Sample Short ID

