Use of SCN features: Yes

Actual Values

Max learning objects: 200 objects/class Strategy N° 8

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

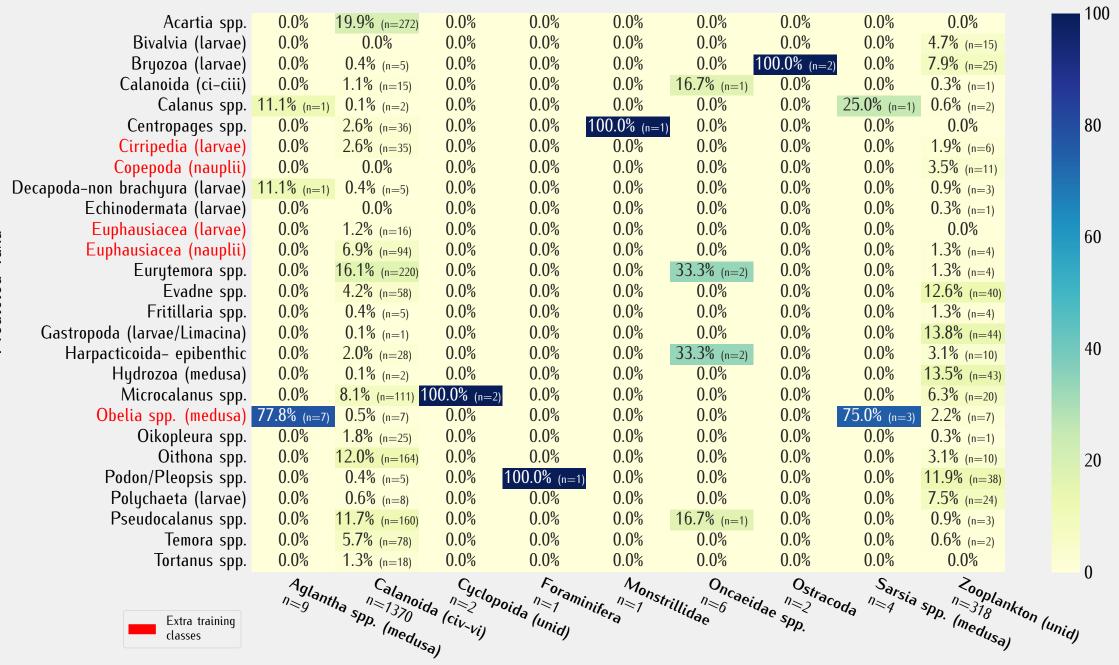
m	Classification Report Matrix max 200 learning objects per class											
	precision	recall	f1-score									
Acartia spp. (n=2490-train=200)	0.72	0.40	0.52									
Evadne spp. (n=1931-train=200)	0.92	0.76	0.83									
<b>Temora spp.</b> (n=1416-train=200)	0.70	0.35	0.46									
Pseudocalanus spp. (n=1044-train=200)	0.45	0.43	0.44									
Oithona spp. (n=345-train=200)	0.63	0.72	0.67									
<b>Bryozoa (larvae)</b> (n=248-train=200)	0.80	0.52	0.63									
Podon/Pleopsis spp. (n=230-train=200)	0.10	0.05	0.07									
Calanoida (ci-ciii) (n=130-train=200)	0.00	0.00	0.00	0.8								
<b>Oikopleura spp.</b> (n=115-train=200)	0.56	0.37	0.44									
Centropages spp. (n=88-train=200)	0.12	0.66	0.20									
Echinodermata (larvae) (n=50-train=200)	0.41	0.14	0.21									
Gastropoda (larvae/Limacina) (n=47-train=200)	0.48	0.60	0.53	0.0								
Harpacticoida- epibenthic (n=47-train=200)	0.17	0.38	0.23	0.6								
<b>Hydrozoa (medusa)</b> (n=47-train=200)	0.04	0.21	0.07									
Bivalvia (larvae) (n=44-train=200)	0.86	0.68	0.76									
Fritillaria spp. (n=34-train=200)	0.33	0.41	0.36									
Microcalanus spp. (n=31-train=80)	0.06	0.58	0.11	0.4								
<b>Chaetognatha</b> (n=28-train=89)	0.35	0.82	0.49									
Polychaeta (larvae) (n=20-train=200)	0.06	0.20	0.09									
Calanus spp. (n=14-train=200)	0.52	0.93	0.67									
Eurytemora spp. (n=10-train=200)	0.00	0.10	0.00	0.2								
Tortanus spp. (n=2-train=200)	0.00	0.50	0.01									
Decapoda-non brachyura (larvae) (n=1-train=200)	0.00	0.00	0.00									
Cirripedia (larvae) (n=0-train=200)	-	-	-									
Copepoda (nauplii) (n=0-train=200)	-	-	-	0.0								
Obelia spp. (medusa) (n=0-train=200)	-	-	-	0.0								
Euphausiacea (larvae) (n=0-train=87)	-	-	-									
Euphausiacea (nauplii) (n=0-train=145)	-	-	-									
macro avg (corr)	0.36	0.43	0.34									
weighted avg	0.67	0.48	0.55									

precision

recall f1-score

										Co	onfusi	on M	atrix	– In <sub> </sub>	perce	nt of	Actuá	al Val	ue										
Acartia spp.	40%	<1%	4%	15%	2%			<1%	<1%	9%			1%			<1%	2%		<1%		12%	6%		<1%		<1%	3%	3%	
Evadne spp.		76%		<1%	<1%	1%	4%	<1%			<1%	1%	<1%	11%			1%		<1%		<1%			3%	<1%	<1%		<1%	
Temora spp.	10%	2%	35%	10%	4%	<1%		<1%		7%			<1%				4%		<1%		14%	3%	<1%	<1%		<1%	1%	8%	
Pseudocalanus spp.	18%		7%	43%	<1%			<1%		10%			1%				4%		<1%	<1%	11%	<1%	1%			<1%	2%	1%	
Oithona spp.	12%	<1%		1%	72%				<1%	2%	<1%		1%								3%	2%		<1%		<1%	<1%	3%	
Bryozoa (larvae)		20%				52%	1%	<1%	<1%		<1%	<1%	8%	7%		1%	<1%		1%					3%	2%				
Podon/Pleopsis spp.	<1%	10%	10%	1%	<1%	<1%	5%		<1%	<1%		<1%	<1%				28%		16%		5%		10%	5%		4%		2%	
Calanoida (ci-ciii)	10%	11%	2%	4%	5%	2%	5%			4%			3%				23%		2%	<1%	6%	2%	2%	10%				10%	
Oikopleura spp.	<1%			<1%	2%				37%		<1%					7%		37%		2%	<1%	3%	5%			<1%	3%		
Centropages spp.	6%		2%							66%												17%	3%				6%		
Echinodermata (larvae)	8%				26%		2%		4%	2%	14%					28%			2%			6%	2%	2%		2%		2%	
Gastropoda (larvae/Limacina)							2%					60%		13%	11%				15%										
Harpacticoida- epibenthic	6%	2%	4%	13%	4%								38%	2%			2%				15%						9%	4%	
Hydrozoa (medusa)		2%	4%		2%	4%					2%			21%		4%	2%			4%				4%		49%			
Bivalvia (larvae)						2%						9%		9%	68%										11%				
Fritillaria spp.					18%				38%		3%					41%													
Microcalanus spp.		10%		3%													58%		6%		16%	3%						3%	
Chaetognatha									11%				4%					82%		4%									
Polychaeta (larvae)		5%			5%							10%	5%	5%			10%		20%		5%	5%	5%	20%				5%	
Calanus spp.																				93%		7%							
Eurytemora spp.				30%						30%											10%						30%		
Tortanus spp.																				50%		50%							
Decapoda-non brachyura (larvae)	4	♦.	\( \frac{1}{6} \)	8	O.	8.	No.	C.	O.	C	<b>\$</b> .	Ç.	4	4.	S:	<u>^.</u>	4.	C <sub>k</sub>	<i>A</i> .	100%	€.	À	0	C:	C	O <sub>t</sub>	<b>&amp;</b>	<b>♦</b>	
	Cart	SPP.	remon	. Selle Spp.	Oithol Ocalanus	Bryo.	Podol larvae	Calant Pleansis	oida (ci	Centre Spp.	opages	Oderna.	Opoda (	Sticoid.	Bivall Sod (medi epiber	Tritille (lande)	Microld Spp.	Chaete St.	Ognath.	Calani Baeta (lan	YS DD	Tortanora Spp.		Oda no	Pedia (la	Obelia (naup	Spor	Pusiaco.	Siace
					W,	£20.	Val		Sp		So	10 10 N	Harpa Doda (lar (larve)	vac/lin	CDibenzi	isa) ac	/ %	1/2/	jo A	(A)	(00)	1/2	<b>,</b>	<i>on</i> ,	brachyu.	Obelia (naupo	lii) (me	Euphau Pusiacea (la la l	rae (nauplii)
														100		•									10	(lange)			
													Pro	edicte	d Valı	ues													tra ining sses

## Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

