Use of SCN features: Yes

Max learning objects: Maximum objects/class Strategy N° 6

Actual Values

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

max	Classifica available	ation Repo learning ol	lass	
	precision	recall	f1-score	
<b>Temora spp.</b> (n=18103-train=7347)	0.85	0.47	0.61	
Acartia spp. (n=13302-train=111319)	0.57	0.91	0.70	
Evadne spp. (n=5228-train=11064)	0.85	0.87	0.86	
Pseudocalanus spp. (n=3053-train=4845)	0.45	0.25	0.32	
Centropages spp. (n=330-train=3620)	0.68	0.70	0.69	
Podon/Pleopsis spp. (n=253-train=7347)	0.09	0.13	0.11	4
Eurytemora spp. (n=178-train=1818)	0.24	0.19	0.21	1
Gastropoda (larvae/Limacina) (n=112-train=3272)	0.53	0.60	0.56	
Oithona spp. (n=98-train=5881)	0.32	0.78	0.46	
Bivalvia (larvae) (n=92-train=3764)	0.89	0.90	0.90	
Oikopleura spp. (n=70-train=5305)	0.88	0.76	0.82	0
Hydrozoa (medusa)	0.15	0.31	0.20	
(n=64-train=4052)  Harpacticoida- epibenthic	0.00	0.00	0.00	
(n=50-train=555)  Calanus spp.	0.50	0.68	0.58	
(n=25-train=359)  Chaetognatha	0.80	0.80	0.80	
(n=15-train=89)  Chiridius spp.	0.00	0.00	0.00	0
(n=14-train=1)  Aglantha spp. (medusa)		0.50	0.59	
(n=10-train=22)  Fritillaria spp.	0.11	0.43	0.17	
(n=7-train=6992) Echinodermata (larvae)	0.00	0.00	0.00	
(n=5-train=3043)  Metridia spp.	0.00	0.00	0.00	
(n=2-train=16) capoda-non brachyura (larvae)	0.03	0.50	0.05	0
(n=2-train=423) Cnidaria (larvae)	0.00	0.00	0.00	
(n=2-train=25)  Obelia spp. (medusa)	0.00	1.00	0.04	
(n=1-train=1003)  Polychaeta (larvae)		0.00		
(n=1-train=1577) Amphipoda	0.00		0.00	
(n=1-train=27) <b>Tomopteris spp.</b>	0.00	0.00	0.00	0
(n=1-train=1)  Bryozoa (larvae)	0.00	0.00	0.00	
(n=0-train=1142)  Calanoida (ci-ciii)	_	_	_	
(n=0-train=5557)  Cirripedia (larvae)	-	_	_	
(n=0-train=7685)  Copepoda (nauplii)	-	-	-	0
(n=0-train=11555)  Microcalanus spp.	-	_	-	
(n=0-train=80)	-	_	_	
Euphausiacea (larvae) (n=0-train=87)	-	_	-	
Euphausiacea (nauplii) (n=0-train=145)	-	-	-	

macro avg (corr) 0.33

weighted avg

0.41

0.65

precision recall f1-score

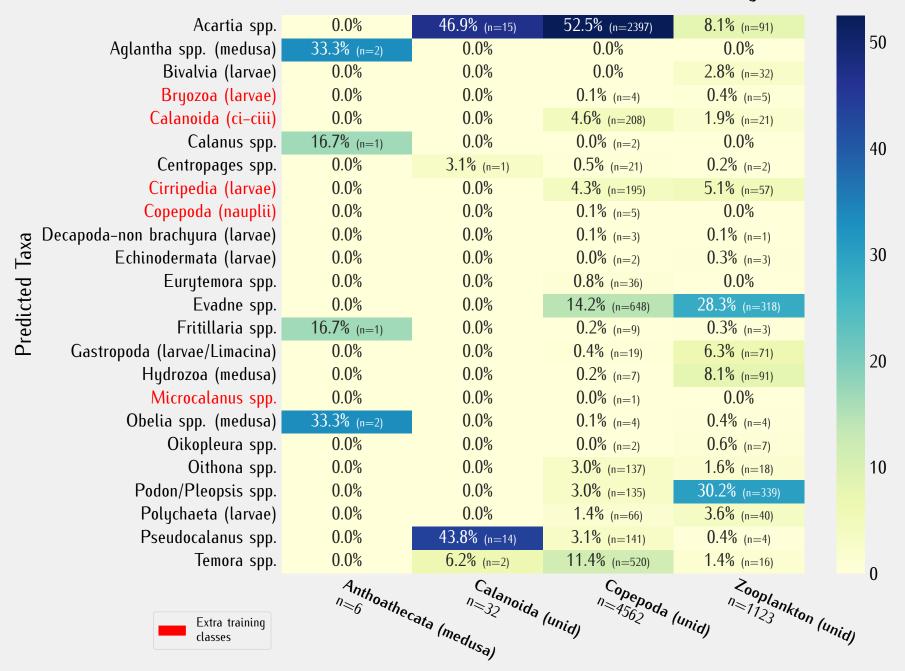
0.72

0.33

0.64

ategy N° 6														<i>-</i> 4 (1		ataj	Car	a i i	caaj	- op c	Juan		pramiton		455					j 50		
												Con	fusio	on N	latri	x – Ir	n per	cent	of Act	ual Val	ue											
Temora spp.	47%	40%	3%	5%	<1%	<1%	<1%	<1%	<1%			<1%						<1%		<1%	<1%	5 <1%	6	1%	1%	<1%	<1%	<1%		<1%		
Acartia spp.	6%	91%	1%	<1%	<1%	<1%	<1%		<1%		<1%							<1%			<1%	s <1%	6	,	<1%	1%	<1%	<1%		<1%		
Evadne spp.	<1%	<1%	87%	<1%		5%		<1%	<1%	<1%		2%	<1%						<1%		<1%	5 <1%	6	1%	<1%	3%						
Pseudocalanus spp.	20%	53%	<1%	25%	1%		<1%							<1%						<1%		<1%	6		<1%	<1%						
Centropages spp.	9%	19%		<1%	70%									<1%						<1%	<1%	ń				<1%						
Podon/Pleopsis spp.	29%	5%	11%	2%		13%														7%	3%	18%			<1%	10%						
Eurytemora spp.	1%	72%	4%	<1%			19%																		2%	1%						
Gastropoda (larvae/Limacina)			2%			22%		60%		8%		4%										2%		*	<1%	<1%						
Oithona spp.		17%	1%						78%									1%							1%	2%						
Bivalvia (larvae)								8%		90%		2%																				
Oikopleura spp.		1%									76%			3%	4%			9%		7%												
Hydrozoa (medusa)	3%	2%	5%									31%		5%			3%	2%		2%	45%	2%			2%							
Harpacticoida- epibenthic	4%	86%		10%																												
Calanus spp.				4%										68%						28%												
Chaetognatha				7%							13%				80%																	
Chiridius spp.	7%			43%										36%						14%												
Aglantha spp. (medusa)												10%		10%			50%				30%											
Fritillaria spp.		29%									14%							43%	14%													
Echinodermata (larvae)			20%			20%					20%							20%								20%						
Metridia spp.				50%										50%																		
Decapoda-non brachyura (larvae)														50%						50%												
Cnidaria (larvae)	50%																								50%							
Obelia spp. (medusa)																					100%	ó										
Polychaeta (larvae)				100%																												
Amphipoda														100%																		
Tomopteris spp.											100%																					
	Teme	Acarto Spp.	Tio Chal	Phe Spp.	idocalant	Podle is Spp.	Sury, Spp.	Cast	Oithe	Bidha Janae/lin	Oixople (lande	Hydro	Harpa (ne	Calar,	Char	Chirid Chirid	Aglan,	Sritille 18	Schinoderii Aria Spp. (Medusa)	otridi Octop	Chidari Obe	Polia Polia	Amphipoda (nedusa)	Prijoto	Calana (lana	Cirri	Copep Colia (la)	Micro	Calanus Tuplii)	Euphal	Isiacea (na	
		<i>S</i> 00.	<i>S</i> 00.	800	dan	Tages,	500 500	10 <sub>70</sub>	COU.	Jan Spp.	land	110 SO	od me	Coida de la constante de la co	, <i>Spp.</i>	Shatha	3/2/2	300	(m. Corn	naka (h.	Don by	rae/	Amphipoda (ned (larva	500	Mark	(d) (c)	· Clin	Van la	Wanus .	Slace of	Slaced (no	
						1/0.	•	1/2		de/lin	BO:			<i>39)</i>	Dibe	Phic			(cdusa)	(drag)	, act	144 A	41150)				y	9	W)	<i>~</i> .	Than o	Plin
											(19)										Chidaria (la. hon brach	16	nae,							Ext	ra	
															F	Predic	ted V	/alue	S											<b>t</b> rai	ining sses	

## Predictions of discarded taxa from training



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

