Use of SCN features: No

Max learning objects: 200 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

m	Classification Report Matrix max 200 learning objects per class													
	precision	recall	f1-score											
Temora spp. (n=18103-train=200)	0.70	0.34	0.46											
Acartia spp. (n=13302-train=200)	0.74	0.32	0.44											
Evadne spp. (n=5228-train=200)	0.93	0.69	0.79											
Pseudocalanus spp. (n=3053-train=200)	0.19	0.40	0.26											
Centropages spp. (n=330-train=200)	0.14	0.83	0.25											
Podon/Pleopsis spp. (n=253-train=200)	0.00	0.00	0.00											
Eurytemora spp. (n=178-train=200)	0.03	0.56	0.05		1									
Gastropoda (larvae/Limacina) (n=112-train=200)	0.57	0.47	0.52											
Oithona spp. (n=98-train=200)	0.13	0.83	0.23											
Bivalvia (larvae)	0.90	0.85	0.87											
(n=92-train=200) Oikopleura spp.	0.29	0.29	0.29		0									
(n=70-train=200) Hydrozoa (medusa)	0.02	0.08	0.03		J									
(n=64-train=200) Harpacticoida- epibenthic	0.04	0.46	0.07											
(n=50-train=200) Calanus spp.	0.55	0.72	0.62											
(n=25-train=200) Chaetognatha	0.27	0.93	0.42											
(n=15-train=89) Chiridius spp.	0.27				0									
(n=14-train=1) Aglantha spp. (medusa)		0.00	0.00											
(n=10-train=22) Fritillaria spp.	0.09	0.80	0.17											
(n=7-train=200) Echinodermata (larvae)	0.04	0.29	0.07											
(n=5-train=200) Metridia spp.	0.00	0.00	0.00											
(n=2-train=16)	0.00	0.00	0.00		0									
npoda-non brachyura (larvae) (n=2-train=200)	0.00	0.00	0.00											
Cnidaria (larvae) (n=2-train=25)	0.00	0.00	0.00											
Obelia spp. (medusa) (n=1-train=200)	0.01	1.00	0.01											
Polychaeta (larvae) (n=1-train=200)	0.00	0.00	0.00											
Amphipoda (n=1-train=27)	0.00	0.00	0.00		0									
Tomopteris spp. (n=1-train=1)	0.00	0.00	0.00											
Bryozoa (larvae) (n=0-train=200)	_	_	-											
Calanoida (ci-ciii) (n=0-train=200)	-	-	-											
Cirripedia (larvae) (n=0-train=200)	-	-	-											
Copepoda (nauplii) (n=0-train=200)	_	_	-		0									
Microcalanus spp. (n=0-train=80)	_	-	-											
Euphausiacea (larvae) (n=0-train=87)	_	_	_											
Euphausiacea (nauplii) (n=0-train=145)	_	_	_											
(11—0-11811—173)														

0.69

precision

0.47

f1-score

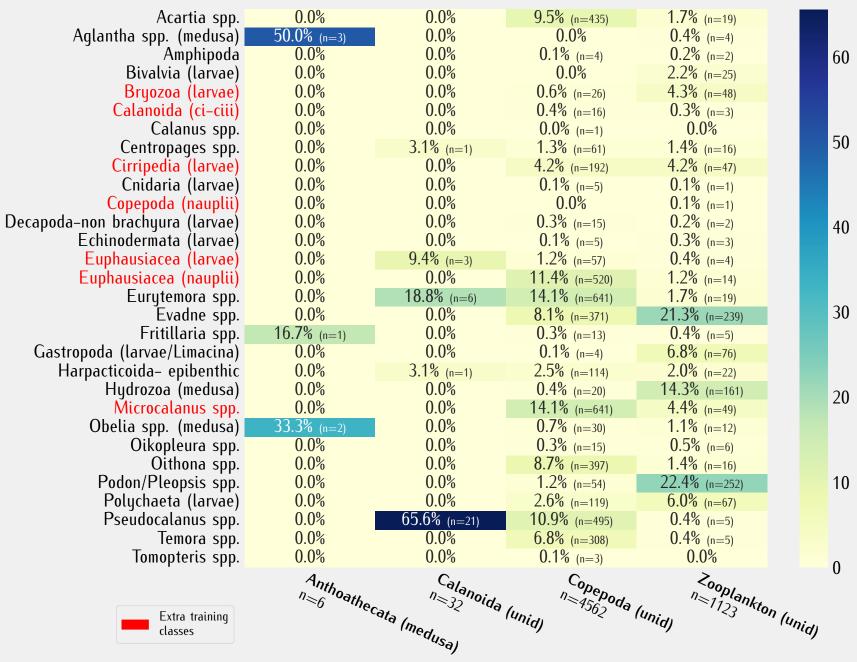
0.39

recall

weighted avg

												Co	nfusi	on N	1atri.	x – I	n pe	rcent	of /	Actu	al Va	lue														
Temora spp.	34%	6%	1%	17%	3%	<1%	11%	<1%	1%		<1%	<1%	1%	<1%			<1%	<1%		<1%	<1%	<1%	<1%	1%	<1%	<1%	<1%	<1%	1%		9%	<1%	12%			
Acartia spp.	15%	32%	<1%	15%	6%	<1%	10%		2%		<1%		2%					<1%			<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%		5%	3%	8%			
Evadne spp.	<1%		69%	<1%		6%	<1%	<1%	1%	<1%	<1%	5%	1%				<1%		<1%		<1%		<1%	<1%	<1%		1%	<1%	8%		5%		<1%			
Pseudocalanus spp.	16%	11%	<1%	40%	7%		11%		<1%				1%	<1%		<1%	<1%			<1%	1%	<1%	<1%	<1%	<1%			<1%			5%	2%	4%			
Centropages spp.	5%	2%		1%	83%								<1%							<1%	4%		<1%		<1%							2%	<1%			
Podon/Pleopsis spp.	17%	<1%	2%	1%		<1%	3%					<1%	<1%				5%				11%	1%	5%	23%			<1%		3%		25%		<1%			
Eurytemora spp.	1%	10%	2%	<1%			56%		6%				<1%																		16%		9%			Ga
Gastropoda (larvae/Limacina)			2%			20%		47%		7%		11%												12%				<1%			<1%					Gu
Oithona spp.		6%	1%				2%		83%		1%		4%					1%	1%														1%			
Bivalvia (larvae)								10%		85%		5%																								
Oikopleura spp.					1%						29%			1%	53%			4%			10%		1%													
Hydrozoa (medusa)			3%									8%		2%			39%	2%			3%		34%	3%							3%	3%				
Harpacticoida- epibenthic		2%		18%	2%		14%						46%																		8%	2%	8%			
Calanus spp.					4%									72%						4%	20%															
Chaetognatha															93%																	7%				
Chiridius spp.				36%										36%							29%															
Aglantha spp. (medusa)														10%			80%						10%													
Fritillaria spp.		14%							14%		29%							29%	14%																	
Echinodermata (larvae)						20%			20%				20%															40%								
Metridia spp.				50%																	50%														Dec	ар
Decapoda-non brachyura (larvae)														100%																						
Cnidaria (larvae)																					50%			50%												
Obelia spp. (medusa)																							100%													
Polychaeta (larvae)				100%																																
Amphipoda														100%																						
Tomopteris spp.											_											_	100%					_	_							
	Temo,	Acarte Spp.	X, CVOO,	ne Spp.	Moc Cent	TODO OF	Cury.	Temo Cash	TOPO OF THE	Bival	Oikok Via (lan	New York	oto Adro	Acticoide Calal	My Char	Chirle Chirte	Aglan.	The Print	y Chil	Note Toda	Octor	Dod	, Obell Prio	i Doly	Ample	Tono,	Oleris Sty	Calan	Cirril Poid	Pedi Open	Micro	Cal	Cuph.	Plys.		
		2/2	20.	Pro Spp.	Alant	Podo, is Spp.	Sury, Sp.	15 Sp.	DD. (1)	ary a	(An		Harp.	Coid de	, Sp.,	PATA	, 5/1/2	Pitille Spp.	more	D. That	Decap.	Do	n bran	100) (de)	Amphichaeta (hedusa)	ANAD I	Oteris Sp	o lan	30) (c)	Pedia (la)	Microla (national)	Anus Aplin	SPD	Ausiacea (nauplii)		
						λ,		<i>√</i> 0.	Copoda (1)	%/	Macin			ソ	Uk,	Chiric Chiric			dus	(A)	JAG.	シ	Chy	Wra (L.	Ample Chaeta (hedusa)	, ツ						9		rae Aplin		
											4)													4/	de									xtra		
															F	Predic	cted '	Value	S															aining asses		

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 -

S25

Sample Short ID

S26

S27

S28

S29

S30

0.0

S21

S22

S23

S24

