Use of SCN features: No

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

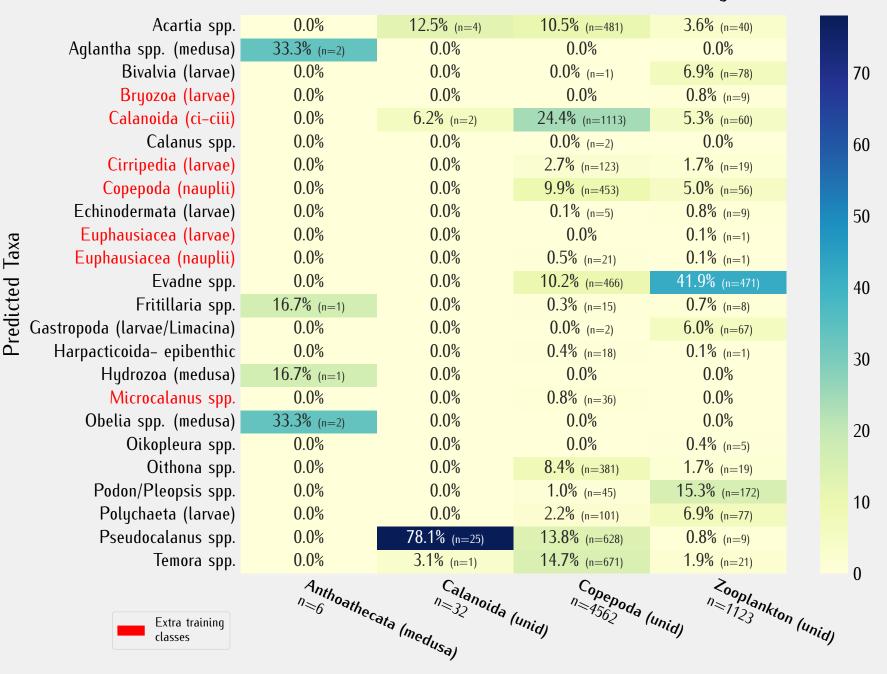
Confusion Matrix - In percent of Actual Value

											Cor	nfusio	on M	1atri	ix – I	n per	cent	of A	Actua	al Value	e												
Temora spp.	52%	9%	2%	17%		<1%	<1%	2%	<1%			<1%				<1%	<1%	<1%				1%				10%	2%	3%	<1%	ó	<1%		
Acartia spp.	21%	53%	<1%	10%		<1%		3%				<1%					<1%	<1%				<1%				8%	<1%	2%	<1%	<1%	<1%		
Evadne spp.	<1%	<1%	89%	<1%		3%	<1%	<1%	<1%									<1%				<1%			<1%	2%	2%	2%	<1%	ó			
Pseudocalanus spp.	29%	15%	<1%	46%		<1%		<1%				<1%	<1%				<1%	<1%				<1%				7%	<1%	<1%	<1%	ó	<1%		
Centropages spp.	24%	66%		4%	5%							<1%															<1%						
Podon/Pleopsis spp.	19%		9%	4%		13%							<1%					<1%				29%				3%	9%	13%	1%				
Eurytemora spp.	12%	8%	4%	4%		<1%		16%										<1%								46%		7%			<1%		
Gastropoda (larvae/Limacina)			6%			31%	34%		12%													12%						4%					
Oithona spp.		5%	3%					86%									3%					1%				2%							
Bivalvia (larvae)							14%		86%																								
Oikopleura spp.	1%	1%								71%			1%	1%			23%																
Hydrozoa (medusa)	5%	2%	11%								9%		2%			28%	2%				22%	11%				2%	6%	2%					
Harpacticoida- epibenthic	4%	20%		24%				2%				32%														14%		2%		2%			
Calanus spp.				16%									80%						4%														
Chaetognatha				7%										73%									20%										
Chiridius spp.	14%			43%									29%														14%						
Aglantha spp. (medusa)											30%					40%					20%		10%										
Fritillaria spp.								14%									71%									14%							
Echinodermata (larvae)			20%			20%		20%																		40%							
Metridia spp.				50%									50%																				
Decapoda-non brachyura (larvae)													100%																				
Cnidaria (larvae)	50%																											50%					
Obelia spp. (medusa)																					100%												
Polychaeta (larvae)				100%																													
Amphipoda													100%																				
Tomopteris spp.										100%																							
	Penno	Acal App.	\$\land \(\rangle \) \(\rangl	Pre Spp.	idocelani	Fondon/F.	Curytemora Spp.	Oith Pp.	Sival Praspp.	Oikok Via (larro	Hydro Neura St.	Harpe Inc	Calan Cticoida (dusa)	Charles Sp.	Chirle Chirte	Aglant Olius Spp.	Sp.	Chine (nedusa	Metricolorinate	Decapoda Spp. (lange)	nidaria (la)	Soly Tacy	Ample (medisa)	Tomop Proces	Bryo.	Calando (lando	Cirrip Polda (ci	redia (la)	Mic Poda (1.	rocalanus (nauplii)	Suphal Sp. (Usiacea (naupli)	÷)
										*cina)						cted V						a (la)	Vaej								Ex tra		

Classification Report Matrix

ma		arning obje	ects per clas	SS
	precision	recall	f1-score	
Temora spp. (n=18103-train=5000)	0.71	0.52	0.60	
Acartia spp. (n=13302-train=5000)	0.75	0.53	0.62	
Evadne spp. (n=5228-train=2845)	0.88	0.89	0.89	
Pseudocalanus spp. (n=3053-train=4552)	0.24	0.46	0.32	
Centropages spp. (n=330-train=40)	1.00	0.05	0.10	
Podon/Pleopsis spp. (n=253-train=201)	0.13	0.13	0.13	
Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00	
Gastropoda (larvae/Limacina) (n=112-train=110)	0.54	0.34	0.42	
Oithona spp. (n=98-train=1409)	0.10	0.86	0.18	
Bivalvia (larvae) (n=92-train=71)	0.77	0.86	0.81	
Oikopleura spp. (n=70-train=761)	0.98	0.71	0.83	
Hydrozoa (medusa) (n=64-train=21)	0.67	0.09	0.16	
Harpacticoida- epibenthic (n=50-train=136)	0.12	0.32	0.18	
Calanus spp. (n=25-train=213)	0.62	0.80	0.70	
Chaetognatha (n=15-train=67)	0.92	0.73	0.81	
Chiridius spp. (n=14-train=1)	0.00	0.00	0.00	(
Aglantha spp. (medusa) (n=10-train=21)	0.17	0.40	0.24	
Fritillaria spp. (n=7-train=3447)	0.06	0.71	0.12	
Echinodermata (larvae) (n=5-train=276)	0.00	0.00	0.00	
Metridia spp. (n=2-train=15)	0.00	0.00	0.00	
ecapoda-non brachyura (larvae) (n=2-train=7)	0.00	0.00	0.00	
Cnidaria (larvae) (n=2-train=3)	0.00	0.00	0.00	
Obelia spp. (medusa) (n=1-train=43)	0.06	1.00	0.11	
Polychaeta (larvae) (n=1-train=452)	0.00	0.00	0.00	
Amphipoda (n=1-train=1)	0.00	0.00	0.00	
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)	-	_	-	
Microcalanus spp. (n=0-train=80)	_	_	_	
Euphausiacea (larvae) (n=0-train=75)	_	_	_	
Euphausiacea (nauplii)	_	_	_	
(n=0-train=122) macro avg (corr)	0.34	0.36	0.28	
weighted avg	0.70	0.56	0.61	
	precision	recall	f1-score	

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

