Use of SCN features: No

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		ation Repo learning ol	rt Matrix ojects per c	lass
	precision	recall	f1-score	
Temora spp. (n=18103-train=7347)	0.80	0.49	0.61	
Acartia spp. (n=13302-train=111319)	0.59	0.84	0.70	
Evadne spp. (n=5228-train=11064)	0.85	0.85	0.85	
Pseudocalanus spp. (n=3053-train=4845)	0.40	0.31	0.35	
Centropages spp. (n=330-train=3620)		0.69	0.63	
Podon/Pleopsis spp. (n=253-train=7347)	0.09	0.18	0.12	1
Eurytemora spp. (n=178-train=1818)	0.15	0.26	0.19	
Gastropoda (larvae/Limacina) (n=112-train=3272)	0.51	0.57	0.54	
Oithona spp. (n=98-train=5881)	0.32	0.81	0.45	
Bivalvia (larvae) (n=92-train=3764)	0.90	0.92	0.91	
Oikopleura spp. (n=70-train=5305)	0.86	0.79	0.82	0
Hydrozoa (medusa) (n=64-train=4052)	0.14	0.30	0.19	
Harpacticoida- epibenthic (n=50-train=555)	0.13	0.06	0.08	
Calanus spp. (n=25-train=359)	0.70	0.84	0.76	
Chaetognatha (n=15-train=89)	0.81	0.87	0.84	
Chiridius spp. (n=14-train=1)	0.00	0.00	0.00	0
Aglantha spp. (medusa) (n=10-train=22)	0.45	0.50	0.48	
Fritillaria spp. (n=7-train=6992)	0.11	0.43	0.18	
Echinodermata (larvae) (n=5-train=3043)	0.00	0.00	0.00	
Metridia spp. (n=2-train=16)	0.00	0.00	0.00	
apoda-non brachyura (larvae) (n=2-train=423)	0.03	0.50	0.06	0
Cnidaria (larvae) (n=2-train=25)	0.00	0.00	0.00	
Obelia spp. (medusa) (n=1-train=1003)	0.02	1.00	0.03	
Polychaeta (larvae) (n=1-train=1577)	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=1142)	_	_	-	
Calanoida (ci-ciii) (n=0-train=5557)	_	_	_	
Cirripedia (larvae) (n=0-train=7685)	_	_	_	
Copepoda (nauplii) (n=0-train=11555)	_	_	_	0
Microcalanus spp. (n=0-train=80)	_	_	_	
Euphausiacea (larvae) (n=0-train=87)	-	_	_	

Euphausiacea (nauplii) (n=0-train=145)

macro avg (corr)

weighted avg

0.43

0.64

recall

0.70

precision

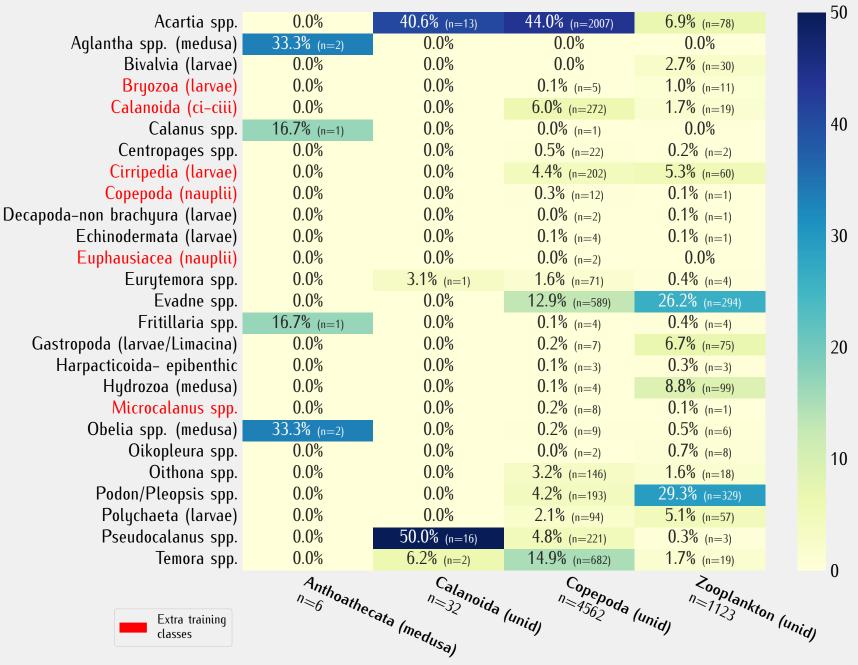
0.34

0.64

f1-score

												Cor	nfusio	on N	latrix	x – In	per	cent	t of Ac	tual Val	ıe										
Temora spp.	49%	34%	3%	7%	<1%	<1%	1%	<1%	<1%			<1%	<1%							<1%	<1%	<1%		<1%	1%	1%	<1%	<1%	<	<1%	
Acartia spp.	. 11%	84%	1%	<1%	<1%	<1%	<1%		<1%		<1%		<1%					<1%			<1%	<1%			<1%	1%	<1%	<1%	<	<u> </u>	
Evadne spp.	<1%	<1%	85%	<1%		6%		<1%	<1%	<1%		2%	<1%					<1%	<1%		<1%	<1%	<	<1%	<1%	4%					
Pseudocalanus spp.	. 24%	42%	<1%	31%	1%		1%							<1%				<1%		<1%		<1%			1%			<1%	<	<1%	
Centropages spp.	. 13%	16%		<1%	69%															<1%	<1%										
Podon/Pleopsis spp.	. 26%	3%	7%	4%		18%						<1%								6%	3%	25%			2%	7%					
Eurytemora spp.	. 6%	54%	4%	1%		1%	26%		<1%																4%	2%					
Gastropoda (larvae/Limacina)			2%			22%		57%		7%		4%										5%			<1%	2%					
Oithona spp.		14%	1%						81%										1%						1%	2%					
Bivalvia (larvae)								5%		92%		2%																			
Oikopleura spp.		1%									79%			1%	4%			7%		7%											
Hydrozoa (medusa)	5%	2%	5%									30%		2%			9%	2%			39%	6%			2%						
Harpacticoida- epibenthic	4%	76%		12%									6%																2%		
Calanus spp.				8%										84%						8%											
Chaetognatha				7%							7%				87%																
Chiridius spp.	. 7%			43%										14%						36%											
Aglantha spp. (medusa)														10%			50%				40%										
Fritillaria spp.		29%									14%						Ц	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%										
Polychaeta (larvae)				100%																											
Amphipoda														100%																	
Tomopteris spp.											100%						4	^										1		^	
	Tem.	Acar.	Tid Shall	One Spp.	Idoc Cent	, Odl	Cury,	Temo Cast	TOPO	Ona Sival	Via C	New Year	Oto Sarpe	ACTIC PARTY	The Page	Chirida Chirida	Aglan,	ritilly the state of the state	oris hinodo	Actridia Po	Chidaria Obel		Amphipoda (ned. lana	Bryon	Od Alal	Poid	Dedj.	Micro	Cuphau	Cuphalisi	
		1/2	1/2	100	idocalant	's So.	Sp. Sury		DD. 10	ans po	Oitolono		Do me	Calar		"Atha	, 200	500	Chinode, (medusa)	Metridia Sp.	a non by	70. (. 120)	Amphipoda (Medusa)	15 50%	Calan Calan	30)	Copelia (la)	Micros (national)	Calanus Sp.	Cuphausiace b. Carea Carac	20/10
						<i>7</i> 2.		2/2			Oikok Nia (larre inacina)			9	NIBO!	Chiridle Chiridle			"dusa)	drael	dehi	Wra (1	The second				y	V	<i>9</i> ·	· Val	ey "Upling
											(a)										Chidaria Car Ad-non brachy	(dr)	(de)							Extra	
															F	Predict	ted V	/alue	S											training classes	
															1	· catel	.cu V	aiuc	_											5.43363	

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

Sample Short ID

S26

S27

S28

S29

S30

S21

S22

S23

S24

