Use of SCN features: No

Max learning objects: 200 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

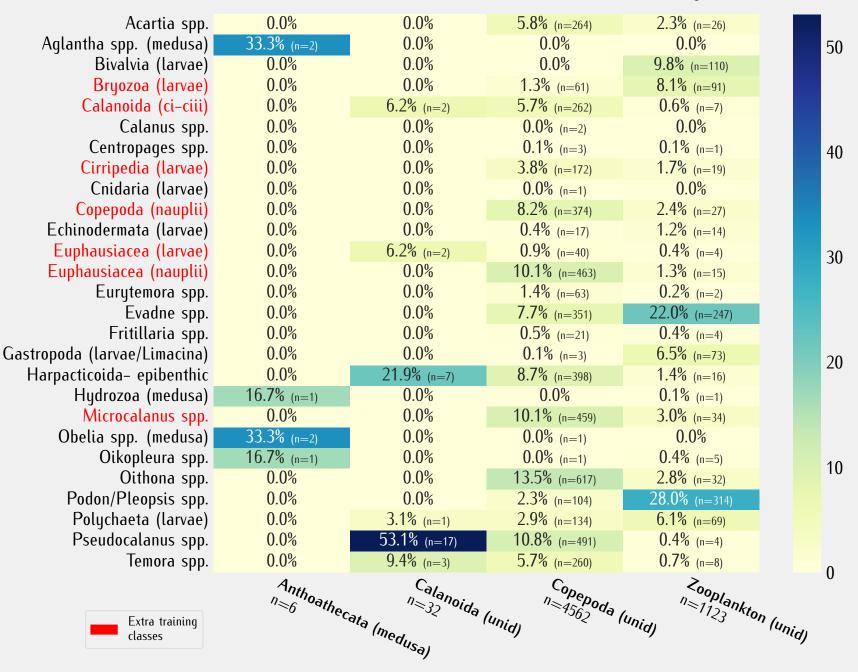
Confusion Matrix – In percent of Actual Value

												Coi	nfusi	on N	/latri	ix – Ii	n per	cent	of A	Actuá	al Val	ue											
Temora spp.	32%	6%	1%	17%	<1%	<1%	1%	<1%	3%	<1%			8%				<1%	<1%	<1%				2%			<1%	4%	3%	2%	7%	<1%	13%	
Acartia spp.	13%	34%	<1%	15%	<1%	<1%	2%		4%		<1%		12%				<1%	<1%	<1%			<1%	<1%		<1%	<1%	2%	1%	1%	4%	2%	9%	
Evadne spp.	<1%		72%	<1%		8%		<1%	1%	<1%			<1%				<1%		<1%				1%		<1%	6%	<1%	4%	2%	2%		<1%	
Pseudocalanus spp.	17%	12%	<1%	42%		<1%	5%		<1%				7%	<1%			<1%	<1%	<1%	<1%			<1%				3%	<1%	<1%	5%	2%	5%	
Centropages spp.	8%	15%		<1%	43%		28%						<1%							<1%		<1%	j.					<1%			2%	<1%	
Podon/Pleopsis spp.	8%		5%			25%			<1%												<1%		31%		<1%	<1%	<1%	9%	3%	16%		<1%	
Eurytemora spp.	<1%	7%	2%	1%					18%				16%												<1%		11%		7%	16%	<1%	19%	
Gastropoda (larvae/Limacina)			3%			30%		37%		16%													12%						3%				
Oithona spp.		3%	1%						87%				1%					3%								3%	1%					1%	
Bivalvia (larvae)								12%		88%																							
Oikopleura spp.							1%				60%			6%	20%			10%		3%													
Hydrozoa (medusa)			5%			2%	2%				2%	11%		2%			34%					23%	9%			2%		3%		3%	3%		
Harpacticoida- epibenthic			2%	8%					2%				64%																	8%	2%	14%	
Calanus spp.					4%		8%							80%						4%	4%												
Chaetognatha															60%								7%	33%									
Chiridius spp.	7%			29%										57%	Г													7%					
Aglantha spp. (medusa)												30%					40%					20%		10%									
Fritillaria spp.									14%		14%							43%	29%														
Echinodermata (larvae)			20%			20%			60%																								
Metridia spp.				50%										50%																			
capoda–non brachyura (larvae)														100%																			
Cnidaria (larvae)	50%																												50%				
Obelia spp. (medusa)																						100%	6										
Polychaeta (larvae)				100%																													
Amphipoda														100%																			
Tomopteris spp.																						100%											
	Temo,	Acal Sop.	Spp.	Pseul Pre SPA	Centi	Podle Is Spp.	Sury Please	Castienora Sississipp.	Oith Topodo	Sival Marae/L	Oito, landing	Hydra St.	Harp oxog (me	Calar Calar adusa)	Chair Child	Chiric Chiric	Aglan, Spp.	Pritilla Sp.	Chino Spp. (medusa)	Metric Merman	Decapo	Cnidaria (lai hon brach	Poly race Sura la	Anpi Inchaeta (nedusa)	hipoda (arae)	Bryo Poteris S	Soa (land	Cirrip Poida (ci	Coper Coper Colin (Id)	Michoda (ne	Cuph Colonus Suplii)	Supho Spp.	Pusiaced (nauplii)
											9)					Predic		/alues	S				ν,	naej								t ra	etra nining nsses

Classification Report Matrix

m		ation Repoi Irning objec		SS
	precision	recall	f1-score	
Temora spp. (n=18103-train=200)	0.71	0.32	0.44	
Acartia spp. (n=13302-train=200)	0.75	0.34	0.47	
Evadne spp. (n=5228-train=200)	0.92	0.72	0.81	
Pseudocalanus spp. (n=3053-train=200)	0.20	0.42	0.27	
Centropages spp. (n=330-train=40)	0.76	0.43	0.55	
Podon/Pleopsis spp. (n=253-train=200)	0.09	0.25	0.14	1
Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00	1.
Gastropoda (larvae/Limacina) (n=112-train=110)	0.46	0.37	0.41	
Oithona spp. (n=98-train=200)	0.07	0.87	0.13	
Bivalvia (larvae) (n=92-train=71)	0.68	0.88	0.77	
Oikopleura spp. (n=70-train=200)	0.89	0.60	0.72	0.
Hydrozoa (medusa) (n=64-train=21)	0.70	0.11	0.19	
Harpacticoida- epibenthic (n=50-train=136)	0.01	0.64	0.02	
Calanus spp. (n=25-train=200)	0.50	0.80	0.62	
Chaetognatha (n=15-train=67)	0.39	0.60	0.47	
Chiridius spp. (n=14-train=1)	0.00	0.00	0.00	0.
Aglantha spp. (medusa) (n=10-train=21)	0.10	0.40	0.16	
Fritillaria spp. (n=7-train=200)	0.03	0.43	0.05	
Echinodermata (larvae) (n=5-train=200)	0.00	0.00	0.00	
Metridia spp. (n=2-train=15)	0.00	0.00	0.00	
capoda-non brachyura (larvae)	0.00	0.00	0.00	0.
(n=2-train=7) Cnidaria (larvae)	0.00	0.00	0.00	
(n=2-train=3) Obelia spp. (medusa)	0.05	1.00	0.09	
(n=1-train=43) Polychaeta (larvae)	0.00	0.00	0.00	
(n=1-train=200) Amphipoda	0.00	0.00	0.00	0
(n=1-train=1) Tomopteris spp.	0.00	0.00	0.00	
(n=1-train=1) Bryozoa (larvae)	_	_	_	
(n=0-train=119) Calanoida (ci-ciii)	_	_	_	
(n=0-train=200) Cirripedia (larvae)	_	_	_	
(n=0-train=200) Copepoda (nauplii)				0
(n=0-train=200) Microcalanus spp.				
(n=0-train=80) Euphausiacea (larvae)			_	
(n=0-train=75) Euphausiacea (nauplii)			_	
(n=0-train=122)	0.28	0.35	0.24	
macro avg (corr)				
weighted avg	0.70 precision	0.39 recall	0.48 f1-score	
	precision	recutt	ii Scole	

Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample Val Pred 1.0 -

