Use of SCN features: No

Max learning objects: Maximum objects/class Strategy N° 2

PA Selected Samples prediction using PA training set, Learning with all classes present in the selected samples, with extra training categories, No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

		ation Repo				
max	precision	recall	ojects per f1-score			
Cirripedia (larvae) (n=3231-train=6358)	•	0.77	0.84			
Acartia spp. (n=2290-train=4410)	0.88	0.79	0.83			
Oikopleura spp. (n=1773-train=4507)	0.83	0.81	0.82			
Podon/Pleopsis spp. (n=607-train=3605)	0.36	0.54	0.43			
Fritillaria spp. (n=475-train=844)	0.80	0.41	0.54			
Evadne spp. (n=358-train=981)	0.54	0.69	0.60			
Corycaeidae (n=335-train=1760)	0.57	0.71	0.63			
Calanoida (ci-ciii)	0.25	0.13	0.17			
(n=150-train=313) Paracalanus spp. (n=141-train=1525)	0.25	0.80	0.38			
Gastropoda (larvae/Limacina) (n=126-train=291)	0.67	0.27	0.38			
Bivalvia (larvae) (n=96-train=119)	0.75	0.74	0.74			
Polychaeta (larvae) (n=65-train=661)	0.26	0.25	0.25			
Hydrozoa (medusa)	0.37	0.82	0.51			
(n=55-train=301) Centropages spp.	0.22	0.16	0.19			
(n=50-train=119) Echinodermata (larvae)	0.00	0.00	0.00			
(n=42-train=2649) Calycophorae (nectophore)	0.20	0.78	0.31			
(n=37-train=966) Decapoda-brachyura (zoeae)	0.21	0.69	0.33			
(n=32-train=343) Ctenophora (larvae)	0.20	0.03	0.06			
(n=31-train=29) apoda-non brachyura (larvae)		0.73	0.54			
(n=26-train=219) Ostracoda	0.15	0.08	0.11			
(n=25-train=18) Tortanus spp. (n=24 train=88)	0.28	0.33	0.30			
(n=24-train=88) Ascidiacea (larvae) (n=23-train=54)		0.52	0.63			
(n=23-train=34) Oithona spp. (n=17-train=44)	0.08	0.06	0.07			
Pseudocalanus spp.	0.17	0.43	0.24			
(n=7-train=65) Calanus spp.	0.25	0.17	0.20			
(n=6-train=37) Copepoda (nauplii)	0.02	0.25	0.03			
(n=4-train=233) Euphysa spp. (medusa)	0.00	0.00	0.00			
(n=3-train=3) Bryozoa (larvae) (n=1 train=50)	0.00	0.00	0.00			
(n=1-train=50) Harpacticoida- epibenthic		_	_			
(n=0-train=47) helminthes/Nemertea (larvae)	_	_	_			
(n=0-train=145) macro avg (corr)	0.37	0.43	0.36			
3 (00.1)						

weighted avg 0.78

precision recall f1-score

Strategy N 2																														
											Conf	usio	n Ma	ıtrix -	– In	perce	ent o	f Actı	ual V	alue										
Cirripedia (larvae)	77%	2%	<1%	12%	<1%	2%		<1%	<1%	<1%	<1%	<1%	<1%		1%	1%	<1%			<1%						<1%	<	<1%	<1%	
Acartia spp.	1%	79%	<1%	<1%	<1%	<1%	6%	<1%	8%			<1%		<1%	<1%	<1%	<1%				<1%		<1%	<1%						
Oikopleura spp.	2%	2%	81%	2%	2%	1%	<1%	<1%	<1%		<1%	<1%	<1%	<1%	2%	3%	<1%	<1%	<1%		<1%	<1%				<1%	<	<1%	1%	
Podon/Pleopsis spp.	10%	2%	<1%	54%		10%	1%	3%	10%			3%	2%			<1%	1%							<1%		3%			<1%	
Fritillaria spp.	<1%	5%	46%	<1%	41%	2%	<1%		<1%			<1%	<1%		3%							<1%							<1%	
Evadne spp.	7%	1%	<1%	10%		69%	<1%		4%		<1%		4%		1%	<1%		<1%								<1%			<1%	
Corycaeidae	<1%	13%	2%	1%		<1%	71%	1%	5%			<1%		<1%		<1%	<1%		<1%		<1%			<1%					<1%	
Calanoida (ci-ciii)	18%	16%	<1%	13%		5%	10%	13%	7%			3%			9%											4%	<	<1%	1%	
Paracalanus spp.	<1%	8%	<1%	1%		2%	<1%		80%			<1%					<1%							2%	1%				1%	
Gastropoda (larvae/Limacina)	7%	4%		37%		6%		2%	2%	27%	8%	2%	<1%		<1%											3%			2%	
Bivalvia (larvae)				9%			1%			3%	74%															1%			11%	
Polychaeta (larvae)	26%	5%		15%		5%	5%	3%	3%			25%	3%			2%	2%		6%							2%				
Hydrozoa (medusa)			2%	2%		4%			4%				82%			5%	2%													
Centropages spp.		24%	2%				2%					2%		16%		2%	18%		18%		12%			2%	2%					
Echinodermata (larvae)	2%			12%	2%	52%			2%				12%			10%		5%								2%				
Calycophorae (nectophore)												3%	8%			78%	8%		3%											
Decapoda-brachyura (zoeae)	3%	3%							6%				3%	3%		6%	69%		6%											
Ctenophora (larvae)	3%			13%		10%						13%	48%			3%		3%								3%			3%	
Decapoda-non brachyura (larvae)		4%		4%									8%				8%		73%										4%	
Ostracoda				4%		36%	4%				16%									8%									32%	
Tortanus spp.	8%	4%												12%		21%	21%				33%									
Ascidiacea (larvae)			48%																			52%								
Oithona spp.		53%	12%		12%									12%					6%				6%							-
Pseudocalanus spp.									14%					14%			14%		14%					43%						
Calanus spp.																	33%		50%						17%					
Copepoda (nauplii)				50%				25%																		25%				
Euphysa spp. (medusa)													33%			67%														
Bryozoa (larvae)												•												•						
	Cirrig	Pedi.	Oikol No. Sp.	Den Odo	Pritte	Naria Sp.	The Sop.	Calar	Paral Oida (ci	da.	TOPO SIVAL	, soly	Market	Centil (med)	Chil	Podermate		Dod Teno	Opported to	Ochal	Contai	Ascidia Nus Spp.	Oithon	PSella To SPD.	OC Alan	Copepolis Spp.	Euphysa (naupli	Bryozoa (la	Pactic Plats	the
		A (14)		19 %	10 (COD)		20	Vac	. O.	Cii	00.	, lar	10 (la	Ino me	The State of the S	Op. Thate	TOTAL S	(ne brace	hu. (14)	To non	6	<i>S</i> 00.	d (lar	DD.	Alanus	<i>S</i> 0.	(naup)		Trae Oido	on the sale
			ソ			P/2				9	Bival, Opoda (le	'e/lin	Paci:	*%)	3)		dryde	Ctenopoda brace (nectophic	Ora, Ro	oes Des	ochy4	Ascidial Sp. Tallarae		ツ		<i>√</i> 0.		Bryozog (la Spp. (medi	(80)	epibenthic Venerted (le
													(Ja)							40)		(larvae)	/						г	-vtra
														D	٠ - : الم	١ / / ا													l l	extra raining classes
	Predicted Values																													

Predictions of discarded taxa from training

Acartia spp.	45.6% (n=275)	33.3% (n=1)	1.2% (n=4)	
Bivalvia (larvae)	0.0%	0.0%	33.1% (n=111)	
Bryozoa (larvae)	0.0%	0.0%	0.3% (n=1)	40
Calanoida (ci-ciii)	1.5% (n=9)	0.0%	0.3% (n=1)	40
Calanus spp.	0.7% (n=4)	0.0%	0.0%	
Calycophorae (nectophore)	0.7% (n=4)	0.0%	0.0%	
Centropages spp.	0.7% (n=4)	0.0%	0.0%	
Cirripedia (larvae)	3.2% (n=19)	0.0%	3.6% (n=12)	
Copepoda (nauplii)	0.0%	0.0%	1.2% (n=4)	30
Corycaeidae	8.3% (n=50)	33.3% (n=1)	2.1% (n=7)	
Decapoda-brachyura (zoeae)	1.8% (n=11)	0.0%	0.3% (n=1)	
Decapoda-non brachyura (larvae)	0.2% (n=1)	0.0%	0.6% (n=2)	
Echinodermata (larvae)	0.3% (n=2)	0.0%	0.0%	
Evadne spp.	7.1% (n=43)	33.3% (n=1)	6.0% (n=20)	20
Fritillaria spp.	0.8% (n=5)	0.0%	0.3% (n=1)	20
Gastropoda (larvae/Limacina)	0.0%	0.0%	6.0% (n=20)	
Hydrozoa (medusa)	0.2% (n=1)	0.0%	1.2% (n=4)	
Oikopleura spp.	1.0% (n=6)	0.0%	0.6% (n=2)	
Oithona spp.	0.2% (n=1)	0.0%	0.0%	
Paracalanus spp.	25.4% (n=153)	0.0%	2.1% (n=7)	10
Platyhelminthes/Nemertea (larvae)	0.0%	0.0%	6.3% (n=21)	
Podon/Pleopsis spp.	1.2% (n=7)	0.0%	31.3% (n=105)	
Polychaeta (larvae)	0.3% (n=2)	0.0%	3.6% (n=12)	
Pseudocalanus spp.	0.3% (n=2)	0.0%	0.0%	
Tortanus spp.	0.7% (n=4)	0.0%	0.0%	0
	Calanoid	$C_{yclopoi}$	Zooplani	U
Extra training classes		Cyclopoida (u n\ge\great{\sigma} \langle	Zooplankton (un	Pid)

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample



