Use of SCN features: Yes

Max learning objects: 200 objects/class Strategy N° 10

Actual Values

Gulf Selected Samples prediction using all regions training set, Learning with selected samples classes with no low global training instances, with extra regional training categories, With Calanoida, Cyclopoida, NO Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

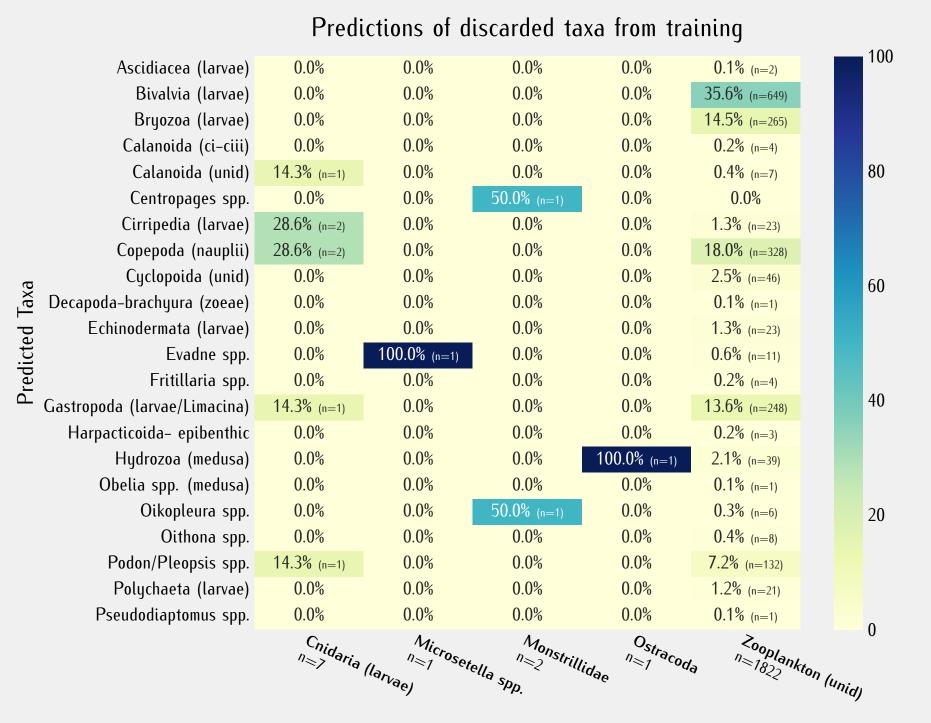
Classification	Report N	Natrix
max 200 learning	objects	per class

precision

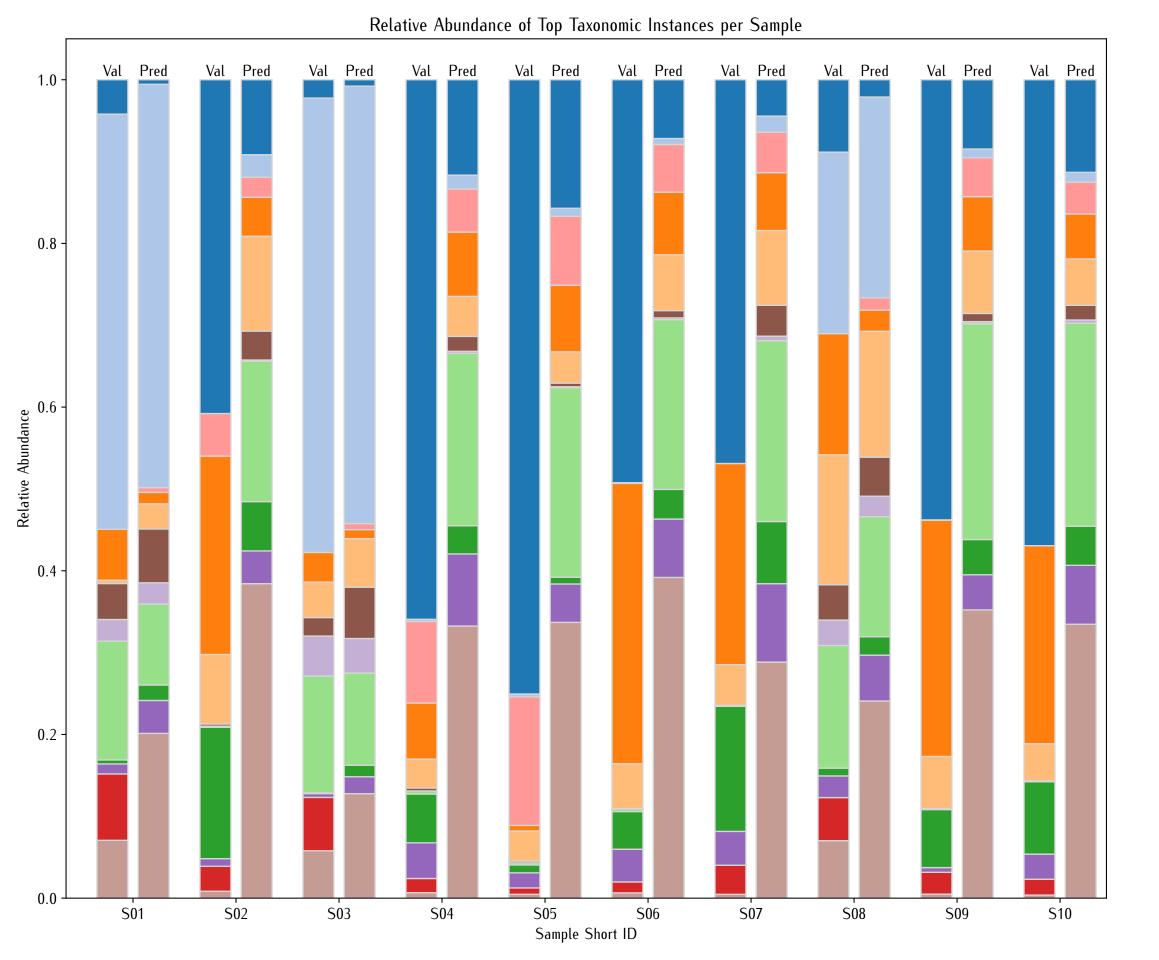
recall

f1-score

											C	ontus	sion N	Matri	< – Ir	ı per	cent	ot A	ctual	Valı	ıe								·		,	ecis pei cia	33
																													Acartia enn	precision		f1-score	
Acartia spp.				<1% <						% <1%						<1%	<1%				<	1% <	<1% <1% <1%		12%	12% <1%		1%	Acartia spp. (n=18062-train=200)	0.90	0.17	0.29	
Bivalvia (larvae)								<1% <						<1%		<1%			<1% <				<1% <1%						Bivalvia (larvae) (n=7955-train=200)		0.90	0.92	
Calanoida (unid)	<1%	<1%	14%	4%	2% 1	12%	10%	14% <	1% <1	% <1%	5%	1%	<1%	5%	<1%	9%	10%	<1%	7%	3%	<	1%	<1% <1%	<1%	2%	<1%	<	1 %	Calanoida (unid) (n=7711-train=200)		0.14	0.21	
Copepoda (nauplii)		4%	<1%	76% <	<1%		<1%		<1	%	4%	<1%	ó	<1%		3%	10%		<	<1%			<1% <1%						Copepoda (nauplii) (n=2753-train=200)	0.65	0.76	0.70	
Podon/Pleopsis spp.		7%		18%	42% <	<1%	<1%	<1% 2	% 17	% <1%	10%	<1%	б	<1%		<1%		<1%	<1%	1%		<	<1% <1%	<	<1%	<1% <1%			Podon/Pleopsis spp.	0.74	0.42	0.54	
Oithona spp.	<1%		3%	<1% <	<1%	69%	2%	7%			<1%	6 <1%	6 <1%	7%		3%	5%		2% <	<1%			<1% <1%	<	<1%	<1%			(n=2715-train=200) Oithona spp.	0.20	0.69	0.31	1.0
Calanoida (ci-ciii)			16%	3%	2%	7%	13%	10%	<1	%	5%	2%	<1%	7%		7%	11%		10%	5%			<1% <1%	<	<1%				(n=2572-train=200) Calanoida (ci-ciii)				1.0
Pseudodiaptomus spp.	<1%		2%	<1%	<1% 1	17%	2%	44%	<1	%	1%	<1%	б	6%	<1%	3%	13%		3%	2%	<	1%			2%	1%	<	<1%	(n=1348-train=200) Pseudodiaptomus spp.	0.10	0.13	0.12	
Hydrozoa (medusa)	<1%	2%	<1%		4%	1%		<1% 6	9% 4%	ó	3%	1%	<1%	<1%		<1%		3%	6% <	<1%	<	1%	<1% <1%		2%	<1%	<	. 1 %	(n=1059-train=200)	0.10	0.44	0.25	
Gastropoda (larvae/Limacina)		16%	<1%	10% 1	10%			<1% 2	% 55	%	4%	1%		<1%					<1% <	<1%									Hydrozoa (medusa) (n=671-train=200)	0.73	0.69	0.71	
Temora spp.	<1%		2%	<1% <	<1%	4%	<1%	18%		19%	3%	2%		1%	4%	2%	5%	<1%	7%	4%	12	2%			9%	5% <1%	<	<1%	Gastropoda (larvae/Limacina) (n=629-train=200)		0.55	0.34	
Bryozoa (larvae)		2%		23% 1	13% <	<1%			7%	ó	50%	2%					<1%		<	<1%			<1%	<	<1%				Temora spp. (n=308-train=200)	0.41	0.19	0.26	0.8
Polychaeta (larvae)	<1%	<1%	<1%	29%	6%	2%		1%	<1	% <1%	3%	22%	í	<1%		11%	3%	<1%	5% 1	11%		<	<1%	<1%		<1%			Bryozoa (larvae) (n=247-train=200)	0.12	0.50	0.19	
Ascidiacea (larvae)	<1%					3%		<1%			<1%	6 <1%	90%	1%									1% <1% <1%	2%					Polychaeta (larvae) (n=237-train=200)	0.22	0.22	0.22	
Harpacticoida- epibenthic			4%	<1%	1	19%	2%	8%			2%	<1%	б	29%		2%	24%		<1% <	<1%	2	2%			2%	3%			Ascidiacea (larvae)	0.80	0.90	0.85	
Centropages spp.	18%				2	43%								2%	18%					2%					9%	2%	Ţ	5%	(n=194-train=200) Harpacticoida- epibenthic	0.02	0.29	0.05	•
Echinodermata (larvae)				5% 1	11%	3%		8%								30%			16% 2	24%								3%	(n=108-train=200) Centropages spp.	0.03	0.18	0.05	0.6
Cyclopoida (unid)			4%	4%		4%			49	б				4%			74%			4%									(n=44-train=200) Echinodermata (larvae)		0.30	0.02	
Obelia spp. (medusa)					5% 1	14%		1	0%							5%	5%	24%	19% 1	14%					5%				(n=37-train=200) Cyclopoida (unid)				
Evadne spp.						6%		6	%										69% 1	12%						6%			(n=23-train=143)	0.01	0.74	0.02	
Cirripedia (larvae)				44%					6%	б		19%	ó			12%			1	19%									Obelia spp. (medusa) (n=21-train=200)	0.00	0.24	0.12	
Chaetognatha						8%							8%								23%		8% 46%	8%					Evadne spp. (n=16-train=200)	0.01	0.69	0.02	0.4
Pseudocalanus spp.	29%									14%											29	9%		,	14%	14%			Cirripedia (larvae) (n=16-train=200)	0.00	0.19	0.01	
Decapoda-non brachyura (larvae)																							50%	25%		2	25%		Chaetognatha (n=13-train=89)	0.75	0.23	0.35	
Fritillaria spp.													33%										67%						Pseudocalanus spp. (n=7-train=200)	0.01	0.29	0.02	
Oikopleura spp.																							100%						Decapoda-non brachyura (larvae) (n=4-train=200)	0.07	0.50	0.12	
Osteichthyes (larvae)																				1	100%								Fritillaria spp.	0.01	0.67	0.02	0.2
Paracalanus spp.																								1	100%				(n=3-train=200) Oikopleura spp. (n=2-train=200)		0.00	0.00	0.2
Eurytemora spp.																					10	00%							(n=2-train=200) Osteichthyes (larvae)				
Decapoda-brachyura (zoeae)																											00%		(n=1-train=45) Paracalanus spp.		0.00	0.00	
	ACAPA	Birdhil	Calan	Copen	Podon	Oithon	Calan	Seller	Sydro G	Str. Teme	Bry Bry	iox Pols	y Asch	· Harpe	Centr	Chin	Cyclon	Obelia	Chadh	Cirripo	Charles	Seller	Decapoda non spp.	Ostoich Neura Spp.	Parac	Curytemora Sp. Sache	labide.	Tortanus o	(n=1-train=200)	0.00	1.00	0.00	
	•	Sight Spp.	dlan	Copepolity (unid)	1/2/1/2/		Calano	Pseudodi Circiil	Popol	Stropoda (Medusa)	1 Sp.	00/10/	Tychaeta (· Harae)	Clicolda	Dayes S	dermak	Obelia Cunt	Sp. (2)	500 G	Chactognia (larvae)	.00 11/2	Decapoda non spp.		Thyes?	Curytenora Sp. Sp. Sp. Sp.	SDD CE	Portanus Spp.	Eurytemora spp. (n=1-train=200)	0.00	0.00	0.00	
			Ý,	?) <i>"</i> (4)	Podon/A (naup)	Vii)	500	Pseudodi Oida (ci.cii)	nus s	Ousal	drae/		4e)	Harried (lande)	vae,	Diber	, , ,	Obelia (uni (larae)	Evadre Sp. (net	dusal	, de	, ·	Spp. brachu.	<i>"</i>	1	Curytemora Sp.	yura .	.20.	Decapoda-brachyura (zoeae) (n=1-train=200)		0.00	0.00	0.0
										Stropodo (Medusa)		"Nacina,				17,	Sic	9					Decapoda non brachyli	Ta Clan		Curytemora Sp.	FOR	de,	Calanus spp. (n=0-train=200)	-	-	_	
																								de				Extra	Labidocera spp. (n=0-train=200)	-	-	_	
														F	redic	ted V	alues											training classes	Tortanus spp. (n=0-train=200)		_	-	
																													macro avg (corr)		0.40	0.22	
																													weighted avg		0.39	0.43	



Actual discarded Taxa





Relative Abundance of Top Taxonomic Instances per Sample (Redistributed)

