Use of SCN features: Yes

Actual Values

Max learning objects: 5000 objects/class Strategy N° 4

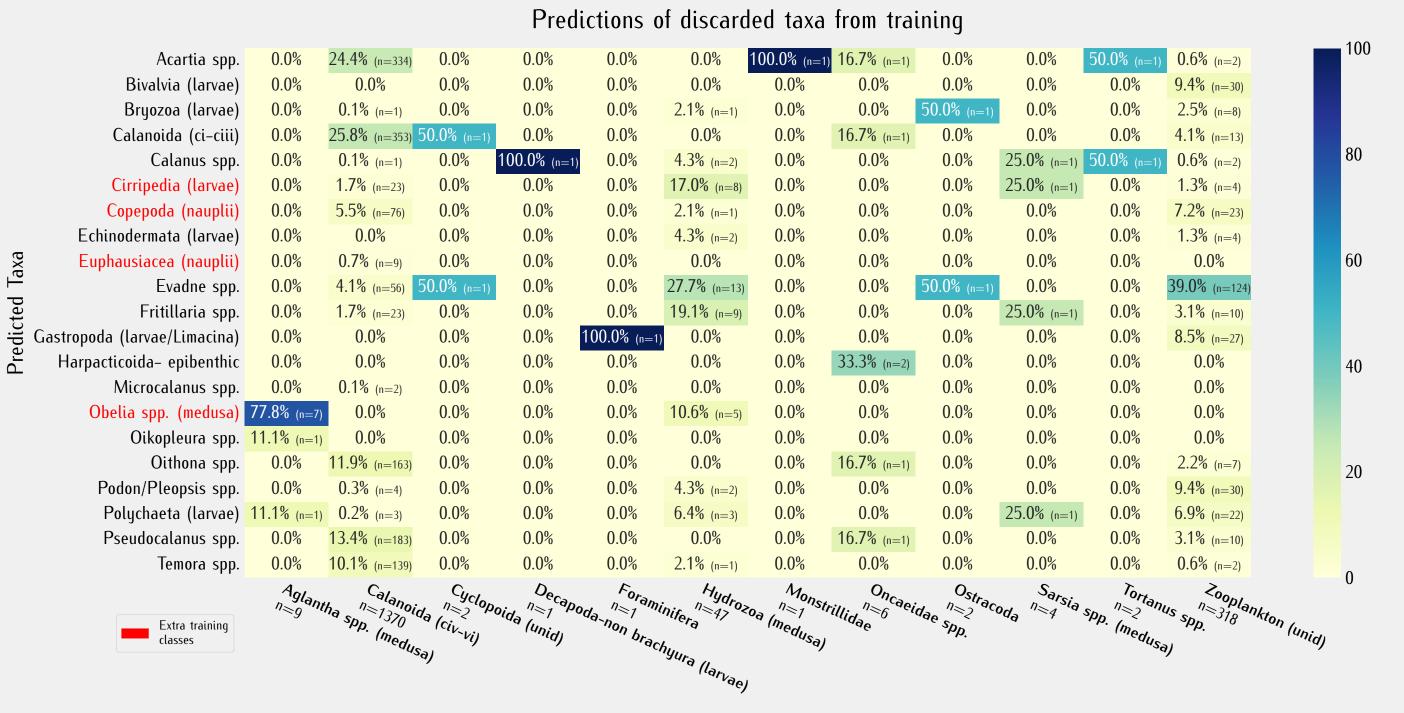
NL 2021 Selected Samples prediction using NL 2021 training set, Learning with selected samples classes with no low regional training instances, with extra training categories, No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

Classification Report Matrix max 5000 learning objects per class

precision recall f1-score

	Confusion Matrix – In percent of Actual Value														!!	precision	recall	f1-score										
Acartia spp.	71%	<1%	7%	10%	3%			6%				<1%			<1%	<1%		<1%		<1%	1%	<1%	<1%	Acartia spp. (n=2490-train=5000)	0.75	0.71	0.73	
Evadne spp.		93%		<1%	<1%		2%	<1%					1%	<1%	<1%			<1%		1%	1%		<1%	Evadne spp. (n=1931-train=2845)	0.90	0.93	0.92	
Temora spp.	14%	1%	54%	8%	3%		<1%	15%				<1%				<1%				1%	2%		<1%	Temora spp. (n=1416-train=5000)	0.67	0.54	0.60	
Pseudocalanus spp.	24%		14%	53%	<1%			8%				<1%				<1%			<1%		<1%	5	<1%	Pseudocalanus spp. (n=1044-train=4552)	0.58	0.53	0.56	
Oithona spp.	12%	1%	1%		80%	<1%		2%			<1%				2%					<1%	<1%	í		Oithona spp. (n=345-train=1409)	0.65	0.80	0.72	1.0
Bryozoa (larvae)		45%				42%	<1%	2%			<1%		1%		1%					1%	6%		<1%	Bryozoa (larvae) (n=248-train=119)	0.97	0.42	0.58	
Podon/Pleopsis spp.	1%	12%	13%	2%			15%	3%			<1%				<1%	<1%		11%		13%	29%			Podon/Pleopsis spp. (n=230-train=201)	0.39	0.15	0.22	
Calanoida (ci-ciii)	12%	12%	6%	6%	4%		4%	22%										<1%	<1%	2%	29%		<1%	Calanoida (ci-ciii) (n=130-train=3713)	0.05	0.22	0.09	0.8
Oikopleura spp.				4%					61%		<1%				26%		<1%		2%					Oikopleura spp. (n=115-train=761)	0.82	0.61	0.70	
Centropages spp.			7%	2%						18%	1%				200				1%			1%		Centropages spp. (n=88-train=40)	1.00	0.18	0.31	
Echinodermata (larvae)			2%	2,0	22%				2%	10-0	20%				46%				1.0	70/	2%			Echinodermata (larvae) (n=50-train=276)	0.62	0.20	0.30	
, ,		20.		440.				4.20.	2/0		Ζ0/0	200.			40%					2%				Harpacticoida- epibenthic (n=47-train=136)	0.76	0.28	0.41	0.6
Harpacticoida- epibenthic		2%	4%	11%	9%			13%				28%						_			2%			Gastropoda (larvae/Limacina) (n=47-train=110)	0.47	0.60	0.53	
Gastropoda (larvae/Limacina)		11%					9%							11%				9%			2%			Bivalvia (larvae) (n=44-train=71)	0.80	0.75	0.78	
Bivalvia (larvae)						5%	5%						16%	75%										Fritillaria spp. (n=34-train=3447)	0.26	0.82	0.40	
Fritillaria spp.					12%				3%		3%				82%									Microcalanus spp. (n=31-train=80)	0.33	0.13	0.19	0.4
Microcalanus spp.		10%	6%	10%				32%								13%		3%		6%	19%			Chaetognatha (n=28-train=67)	0.92	0.39	0.55	
Chaetognatha									46%						11%		39%		4%					Polychaeta (larvae) (n=20-train=452)	0.19	0.45	0.27	
Polychaeta (larvae)	5%	5%		5%	10%													45%		15%	15%			Calanus spp. (n=14-train=213)	0.55	0.71	0.65	0.2
Calanus spp.	7%			21%															71%					Eurytemora spp. (n=10-train=88)	0.00	0.00	0.00	0.2
Eurytemora spp.	40%		30%	30%																				Cirripedia (larvae) (n=0-train=611)		-	-	
	Acartle	Spp.	Temore S.	Spp.	Oithol	Bryozo	Podon	Calan	Oikopi Oida (ci-ciii)	Centrol	Pages Spp.	Harpactic	Castropo	Bivalve	Critillar (lange) (linacina)	Microcal	Chactoy	Polyci,	Sacta (la Sp.	Tenora Spp.	Cop.	Spoda (nauplii) (ned	Cupha.	Copepoda (nauplii) (n=0-train=1025)	-	-	-	
		<i>7</i> 2.	<i>D</i> 0.	20.	Oithon Oithon	*00. Vo	(larvae)	Calant Pleopsis Sp	op Cicin	., Sp.	Jes Spp.	Harpactic	Pida Pil	da lanae	(larvae)	<i>S</i> 00.	anus Spp.	PATA	Saeta (larvae)	10 S/1/2	(lan	Spoda (nauplii) (ned	Cuphalousiacea (la)	Copepoda (nauplu) (n=0-train=1025) Obelia spp. (medusa) (n=0-train=43) Vae Euphausiacea (larvae)	-	-	-	0.0
									•			Y	(e)	"hthic	'macina)								<i>•</i>	(n=0-train=75)	-	-	-	
												Predict	ted Va	lues									tra	Euphausiacea (nauplii) aining asses Euphausiacea (nauplii) (n=0-train=122)	-	-	-	
																							Cli	macro avg (corr)	0.59	0.47	0.47	
																								weighted avg	0.73	0.67	0.68	



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

