Use of SCN features: Yes

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

Actual Values

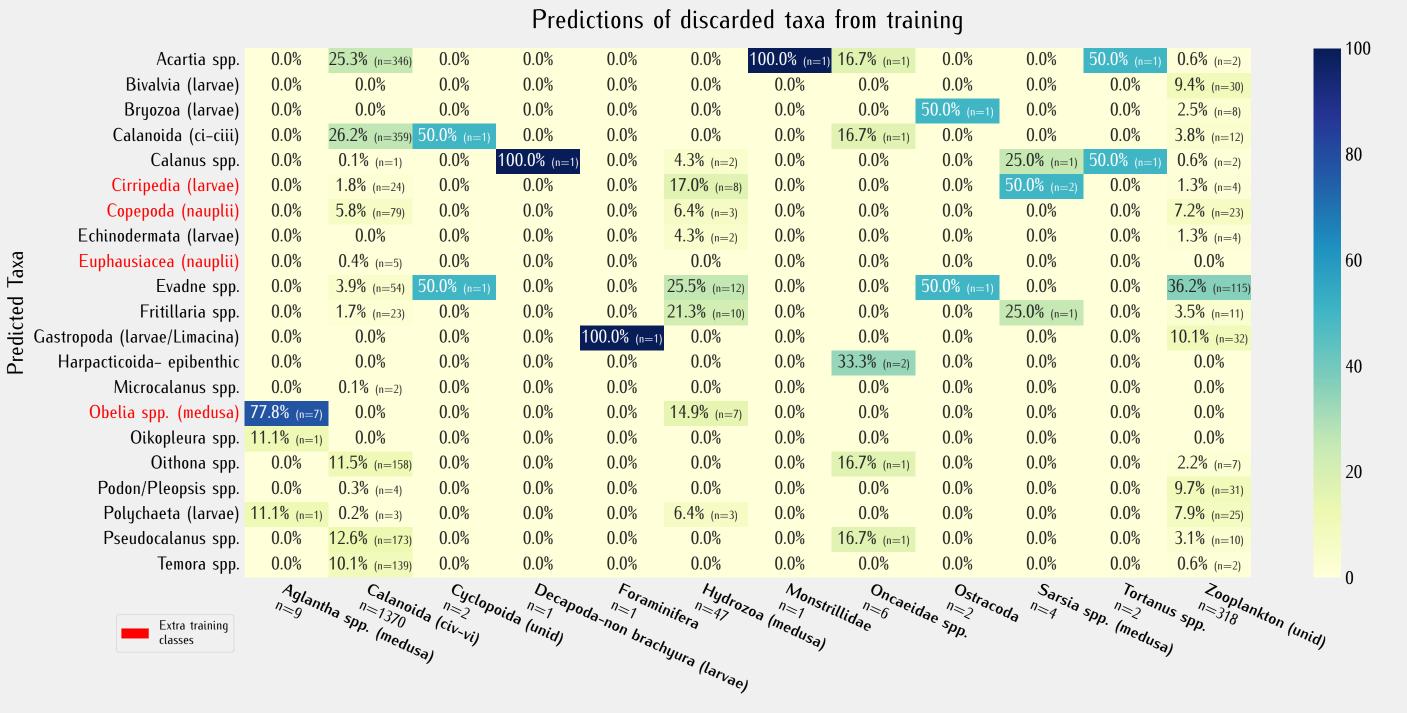
NL 2021 Selected Samples prediction using NL 2021 training set, Learning with selected samples classes with no low regional training instances, with extra training categories, No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

Classification Report Matrix max available learning objects per class

precision recall f1-score

	Confusion Matrix – in percent of Actual Value															precision		f1-score											
Acartia spp.	73%	<1%	7%	9%	3%			7%				<1%			<1% <	<1%		<1%		<1%	1	1%	<1%	<1%	Acartia spp. (n=2490-train=5448)	0.75	0.73	0.74	
Evadne spp.		93%		<1%	<1%	<1%	2%	<1%				1	<15	% .	<1%			<1%		1%	<	(1%			Evadne spp. (n=1931-train=2845)	0.90	0.93	0.92	
Temora spp.	15%	1%	54%	9%	3%		<1%	14%							<	<1%				2%	2	2%		<1%	Temora spp. (n=1416-train=5148)	0.67	0.54	0.60	
Pseudocalanus spp.	24%		14%	53%	<1%			7%				<1%			<1% <	<1%			<1%		<	(1%		<1%	Pseudocalanus spp. (n=1044-train=4552)	0.60	0.53	0.57	
Oithona spp.	12%	1%	1%		79%	<1%		2%			<1%				2%					<1%	<	(1%			Oithona spp. (n=345-train=1409)	0.65	0.79	0.71	1.0
Bryozoa (larvae)		45%			<1%	41%	<1%	2%			<1%	1	6 <1	% .	<1%			<1%		1%	6	ĵ%		<1%	Bryozoa (larvae) (n=248-train=119)	0.96	0.41	0.57	
	1%		13%	2%			16%	2%							<1% <	-1%		12%		13%	3				Podon/Pleopsis spp. (n=230-train=201)	0.41	0.16	0.23	
Calanoida (ci-ciii)		12%	7%	6%	4%		4%	22%								<1%			<1%	2%	H	8%		<1%	Calanoida (ci-ciii) (n=130-train=3713)	0.06	0.22	0.09	0.8
,		1270					T/0	2270	C 00.		.40.						.40.			Ζ′0	20	.070	.40.		Oikopleura spp. (n=115-train=761)	0.83	0.60	0.70	0.0
Oikopleura spp.				3%	3%				00%		<1%				26%		<1%		2%				<1%		Centropages spp. (n=88-train=40)	1.00	0.19	0.32	
Centropages spp.	67%		9%	1%						19%	1%								1%				1%		Echinodermata (larvae) (n=50-train=276)	0.62	0.16	0.25	
Echinodermata (larvae)	4%		2%		22%				2%		16%				50%					2%	2	2%			Harpacticoida- epibenthic (n=47-train=136)	0.85	0.23	0.37	0.6
Harpacticoida- epibenthic	34%	2%	4%	11%	9%			15%				23%									2	2%			Gastropoda (larvae/Limacina) (n=47-train=110)	0.47	0.60	0.52	
Gastropoda (larvae/Limacina)		11%					9%					60	% 11 ⁹	ó				9%			2	2%			Bivalvia (larvae) (n=44-train=71)	0.79	0.75	0.77	
Bivalvia (larvae)						5%	2%					18	% 75%	ó											Fritillaria spp. (n=34-train=3447)	0.25	0.79	0.39	
Fritillaria spp.					12%			3%	3%		3%				79%										Microcalanus spp. (n=31-train=80)	0.25	0.10	0.14	0.4
Microcalanus spp.		6%	3%	10%				39%							1	0%		6%		3%	2	3%			Chaetognatha (n=28-train=67)	0.92	0.43	0.59	
Chaetognatha									43%						11%		43%		4%						Polychaeta (larvae) (n=20-train=452)	0.16	0.40	0.23	
Polychaeta (larvae)	5%	10%		10%	10%			5%										40%		10%	1	0%			Calanus spp. (n=14-train=213)	0.61	0.79	0.69	
Calanus spp.	7%			14%															79%						Eurytemora spp. (n=10-train=88)	0.00	0.00	0.00	0.2
Eurytemora spp.	50%		20%	30%																					Cirripedia (larvae) (n=0-train=611)	-	-	-	
	Acarrio	Evado	Temor	PS CUO	Oitho	Bryos	Podon	Calana	Oikop	Centro	Chin	Harpa	Stro Bi	elv.	Prinile .	Micros	Chaete	Polych	Calani, Ch	Tyte Cirti		Copen Obelia	Cupho	Eupho	Copepoda (nauplii) (n=0-train=1025)	-	-	-	
	ζ.	Spp.	Spp.	, Sp	Oithon Oithon	Bryozo	Podon, Od (lange)	Calano, Pleopsis St.	Oikoplo Ci. Ci. Ciii)	Centrop	Royes Sop.	Harpacticoid	poda (le	10/10 10/10	Pritillaria Sinacina))). (d).	Chaetogi anus Spp.	natha 16	Colonys Spp.	Tytemora Spp.	"dia (Copepode (naupli	Spp. (medil	siacea (la	Copepoda (nauplii) (n=0-train=1025) Obelia spp. (medusa) (n=0-train=43) Copepoda (nauplii) (n=0-train=43) Euphausiacea (larvae)	-	-	-	0.0
					~,	Ó.		%	o o		·	drae	Pibenthic	40/1	indcinal		~.		%)			9 9		(Sa) * (1)	Euphausiacea (larvae) (n=0-train=75)	-	-	-	0.0
												Predicte			ソ										Euphausiacea (nauplii) (n=0-train=122)	-	_	-	
																									macro avg (corr)	0.59	0.47	0.47	
																									weighted avg	0.73	0.67	0.69	



Actual discarded Taxa

