

Use of SCN features: No
Max learning objects: 20000 objects/class
Strategy N° 6

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

Confusion Matrix – In percent of Actual Value

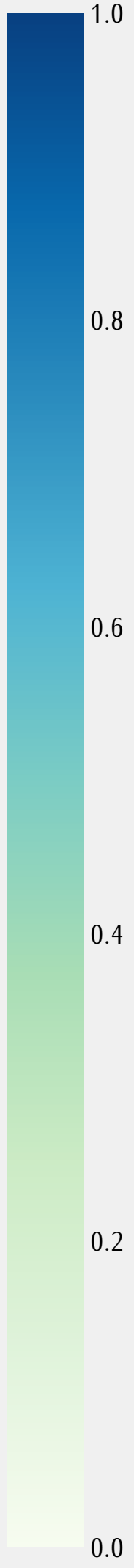
Classification Report Matrix
max 20000 learning objects per class

Actual Values

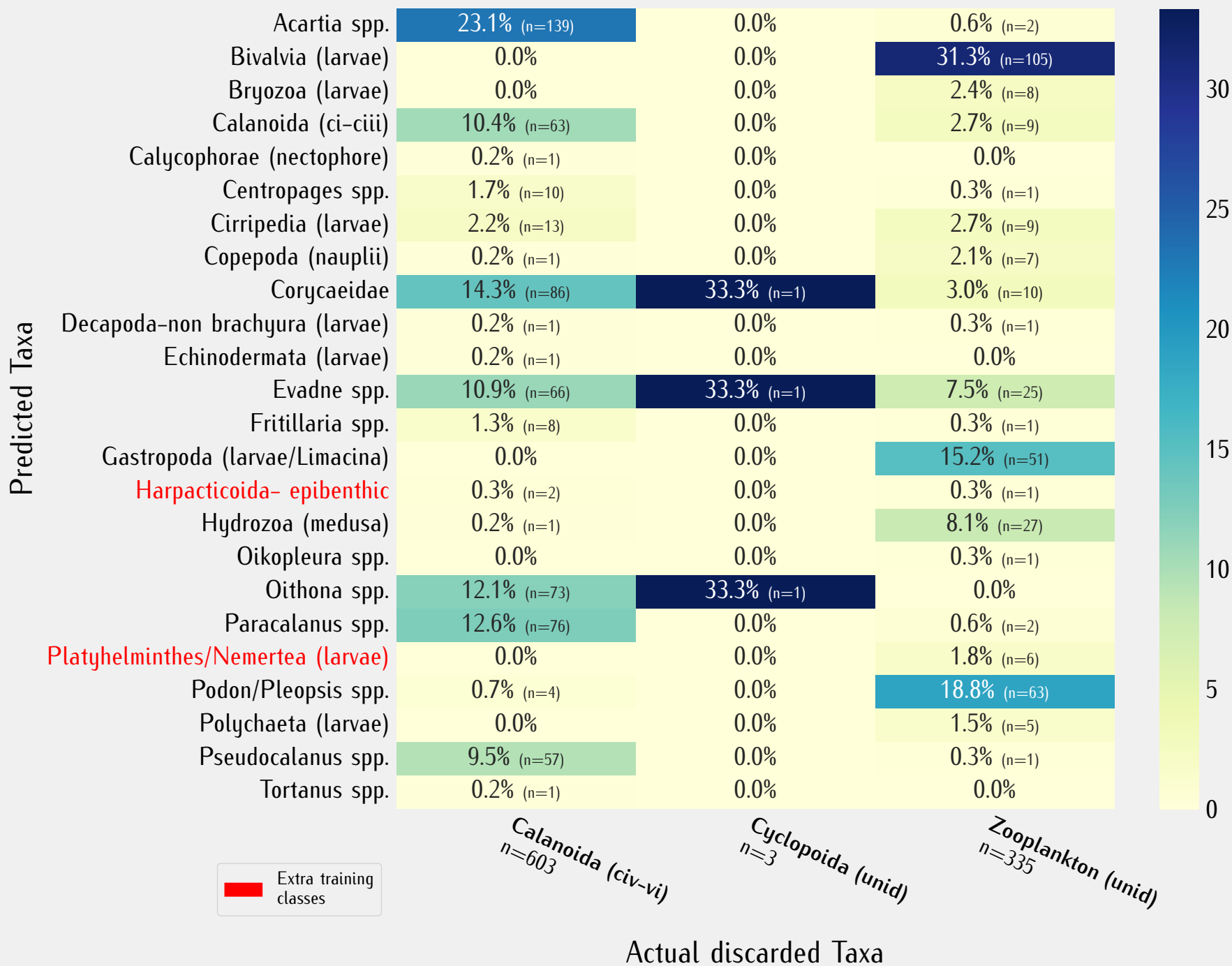
Cirripedia (larvae)	73%	<1%	<1%	11%	<1%	7%	<1%	<1%	<1%	1%		<1%	<1%	<1%	1%	<1%	<1%		<1%	<1%		<1%	<1%		<1%		<1%		<1%
Acartia spp.	<1%	56%	<1%	<1%	<1%	1%	10%	4%	6%				<1%	<1%		<1%	<1%			<1%	<1%	17%	2%					<1%	
Oikopleura spp.	<1%	1%	67%	2%	18%	3%	<1%	1%	<1%	<1%		<1%	<1%	<1%	2%			<1%		<1%	<1%	<1%	<1%		<1%	<1%	<1%	<1%	<1%
Podon/Pleopsis spp.	9%	1%	<1%	47%		26%	2%	2%	6%	1%		1%	<1%	<1%		<1%	<1%	<1%			<1%	<1%		<1%	<1%	<1%	<1%	<1%	<1%
Fritillaria spp.		1%	21%	<1%	64%	<1%	<1%	<1%	<1%			<1%	2%		1%					<1%	5%			<1%	<1%	<1%	<1%	<1%	<1%
Evadne spp.	4%		<1%	4%		72%	1%	2%	2%	2%	1%		7%		<1%	<1%		<1%			<1%			<1%		<1%			
Corycaeidae	<1%	16%	1%	2%	<1%	<1%	64%	1%	3%				2%		<1%		<1%		<1%		2%	3%			<1%	1%			
Calanoida (ci-ciui)	11%	3%	<1%	15%	<1%	14%	12%	18%	4%			1%			3%						13%			2%			2%		
Paracalanus spp.	<1%	9%	<1%	2%		1%		3%	54%					1%								28%							
Gastropoda (larvae/Limacina)	3%	2%		16%		13%		2%		54%	6%							<1%			2%			<1%					
Bivalvia (larvae)				6%		1%				5%	82%		2%											2%				1%	
Polychaeta (larvae)	15%			14%		15%	3%	2%	2%	3%		31%			6%		3%		2%		3%	2%							
Hydrozoa (medusa)		2%				5%			2%	2%		15%	62%		5%	2%	2%	2%				2%							
Centropages spp.		22%			4%									42%				2%		6%		16%	8%						
Echinodermata (larvae)				2%	2%	12%						2%	71%		5%		2%	2%											
Calycophorae (nectophore)								3%				3%	3%	5%	70%			14%			3%								
Decapoda-brachyura (zoeae)	3%	9%				3%		3%						12%	6%	34%		9%			9%	9%							
Ctenophora (larvae)	3%			6%		13%				13%		19%	29%		3%		10%	3%											
Decapoda-non brachyura (larvae)				4%			4%							4%				77%				12%							
Ostracoda	4%					36%	4%				28%		4%					8%										16%	
Tortanus spp.	4%	4%			4%									25%	21%	4%			33%	4%									
Ascidiaacea (larvae)			4%		22%														74%										
Oithona spp.		41%	6%		18%									6%							29%								
Pseudocalanus spp.																						100%							
Calanus spp.														17%				50%				33%							
Copepoda (nauplii)				25%				25%																50%					
Euphysa spp. (medusa)															100%														
Bryozoa (larvae)	100%																												

Extra
training
classes

	precision	recall	f1-score
Cirripedia (larvae) (n=3231–train=7685)	0.94	0.73	0.83
Acartia spp. (n=2290–train=20000)	0.89	0.56	0.69
Oikopleura spp. (n=1773–train=5305)	0.90	0.67	0.77
Podon/Pleopsis spp. (n=607–train=7347)	0.38	0.47	0.42
Fritillaria spp. (n=475–train=6992)	0.46	0.64	0.53
Evadne spp. (n=358–train=11064)	0.33	0.72	0.45
Corycaeidae (n=335–train=1760)	0.43	0.64	0.51
Calanoida (ci-ciui) (n=150–train=5557)	0.15	0.18	0.16
Paracalanus spp. (n=141–train=1619)	0.26	0.54	0.35
Gastropoda (larvae/Limacina) (n=126–train=3272)	0.50	0.54	0.52
Bivalvia (larvae) (n=96–train=3764)	0.81	0.82	0.82
Polychaeta (larvae) (n=65–train=1577)	0.32	0.31	0.31
Hydrozoa (medusa) (n=55–train=4052)	0.21	0.62	0.32
Centropages spp. (n=50–train=3620)	0.33	0.42	0.37
Echinodermata (larvae) (n=42–train=3043)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37–train=966)	0.22	0.70	0.33
Decapoda-brachyura (zoeae) (n=32–train=628)	0.31	0.34	0.32
Ctenophora (larvae) (n=31–train=42)	0.33	0.10	0.15
Decapoda-non brachyura (larvae) (n=26–train=423)	0.44	0.77	0.56
Ostracoda (n=25–train=25)	0.29	0.08	0.12
Tortanus spp. (n=24–train=203)	0.50	0.33	0.40
Ascidiaacea (larvae) (n=23–train=861)	0.63	0.74	0.68
Oithona spp. (n=17–train=5881)	0.01	0.29	0.02
Pseudocalanus spp. (n=7–train=4845)	0.05	1.00	0.10
Calanus spp. (n=6–train=359)	0.00	0.00	0.00
Copepoda (nauplii) (n=4–train=11555)	0.05	0.50	0.09
Euphysa spp. (medusa) (n=3–train=3)	0.00	0.00	0.00
Bryozoa (larvae) (n=1–train=1142)	0.00	0.00	0.00
Harpacticoida- epibenthic (n=0–train=555)	–	–	–
Platyhelminthes/Nemertea (larvae) (n=0–train=183)	–	–	–
macro avg (corr)	0.35	0.45	0.35
weighted avg	0.77	0.63	0.68
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

