

Use of SCN features: Yes  
Max learning objects: 200 objects/class  
Strategy N° 7

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

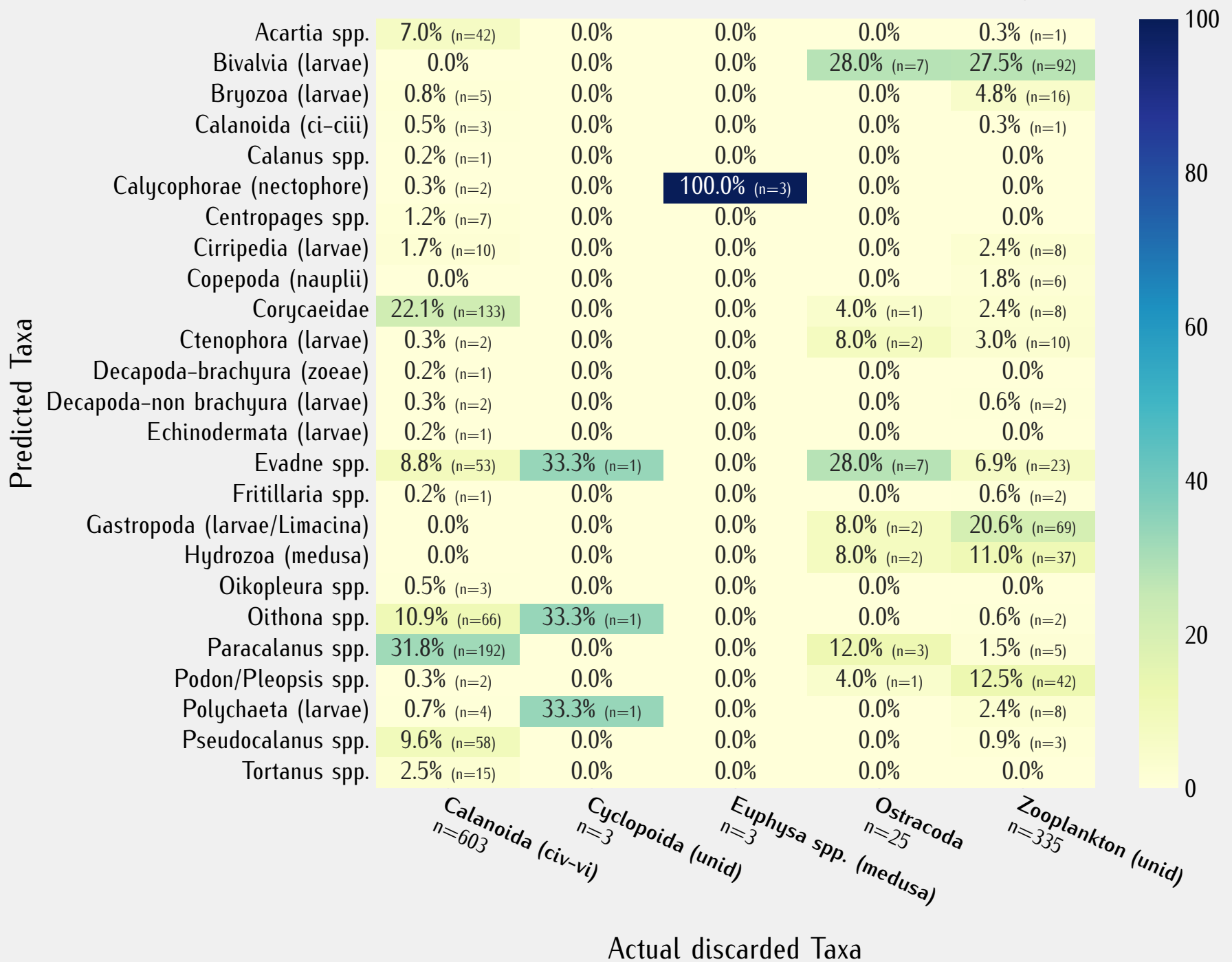
Confusion Matrix – In percent of Actual Value

Actual Values	Cirripedia (larvae)	52%	<1%	<1%	11%	<1%	12%	<1%	<1%	2%	2%	<1%	<1%	2%	<1%	3%	1%	4%	<1%	<1%	4%		3%	<1%		<1%	2%	
	Acartia spp.	<1%	16%	<1%	<1%	<1%	<1%	24%	<1%	29%			<1%		2%		<1%	<1%			3%	<1%	15%	8%				
	Oikopleura spp.	<1%	<1%	61%	<1%	19%	2%	<1%	<1%	1%	<1%		<1%	<1%	<1%	2%	3%		<1%	<1%	<1%	1%	2%	<1%		<1%	1%	
	Podon/Pleopsis spp.	12%	<1%	<1%	24%		26%	<1%	<1%	15%	2%		5%	2%	<1%	<1%	<1%	1%	2%	<1%	<1%		1%	<1%		<1%	5%	
	Fritillaria spp.	<1%	2%	26%		44%	1%	4%	<1%	<1%			<1%	2%		5%	<1%				<1%	1%	12%			<1%	<1%	
	Evadne spp.	4%		<1%	5%		44%	<1%	<1%	8%	1%	<1%	<1%	15%		1%	<1%		8%				<1%			<1%	8%	
	Corycaeidae	<1%	6%	1%	2%		<1%	67%		9%			2%		1%		<1%		<1%	2%	<1%	2%	5%			<1%		
	Calanoida (ci-ciii)	11%	3%		8%		22%	11%	1%	9%			7%			9%							12%			2%	5%	
	Paracalanus spp.		2%	<1%				<1%		56%			<1%		1%				1%		3%			34%				
	Gastropoda (larvae/Limacina)	2%			19%		12%			4%	49%	2%	2%	2%					<1%				3%			2%	2%	
	Bivalvia (larvae)				5%		1%				7%	73%		10%												1%	2%	
	Polychaeta (larvae)	11%	5%		11%		15%	3%		8%	2%		12%			2%		3%	6%	5%			2%	15%		2%		
	Hydrozoa (medusa)									4%				27%	2%		15%		49%	2%				2%				
	Centropages spp.		10%	2%				2%		4%					30%		2%			10%	18%			18%	4%			
	Echinodermata (larvae)				2%	2%	7%							71%		2%		7%	5%								2%	
	Calycophorae (nectophore)					3%									5%		68%		5%	14%				5%				
	Decapoda-brachyura (zoeae)		6%							3%					9%		3%	62%	3%	3%	6%			3%				
	Ctenophora (larvae)	3%			3%		3%							32%			3%		45%								10%	
	Decapoda-non brachyura (larvae)						4%	4%							4%				8%	69%					12%			
	Tortanus spp.														21%		12%			8%	54%		4%					
	Ascidacea (larvae)			26%		9%																65%						
	Oithona spp.		29%	6%		6%		6%												6%	6%	6%	35%					
	Pseudocalanus spp.																			14%				86%				
	Calanus spp.														17%					67%				17%				
	Copepoda (nauplii)	25%			25%																					50%		
	Bryozoa (larvae)												100%															
	Predicted Values																											

Classification Report Matrix  
max 200 learning objects per class

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=200)	0.92	0.52	0.66
Acartia spp. (n=2290-train=200)	0.82	0.16	0.27
Oikopleura spp. (n=1773-train=200)	0.87	0.61	0.72
Podon/Pleopsis spp. (n=607-train=200)	0.24	0.24	0.24
Fritillaria spp. (n=475-train=200)	0.38	0.44	0.41
Evadne spp. (n=358-train=200)	0.19	0.44	0.27
Corycaeidae (n=335-train=200)	0.27	0.67	0.38
Calanoida (ci-ciii) (n=150-train=200)	0.12	0.01	0.02
Paracalanus spp. (n=141-train=200)	0.08	0.56	0.14
Gastropoda (larvae/Limacina) (n=126-train=200)	0.38	0.49	0.43
Bivalvia (larvae) (n=96-train=200)	0.89	0.73	0.80
Polychaeta (larvae) (n=65-train=200)	0.09	0.12	0.11
Hydrozoa (medusa) (n=55-train=200)	0.08	0.27	0.12
Centropages spp. (n=50-train=200)	0.19	0.30	0.23
Echinodermata (larvae) (n=42-train=200)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=200)	0.16	0.68	0.26
Decapoda-brachyura (zoeae) (n=32-train=200)	0.12	0.62	0.21
Ctenophora (larvae) (n=31-train=42)	0.12	0.45	0.19
Decapoda-non brachyura (larvae) (n=26-train=200)	0.33	0.69	0.44
Tortanus spp. (n=24-train=200)	0.05	0.54	0.09
Ascidacea (larvae) (n=23-train=200)	0.34	0.65	0.45
Oithona spp. (n=17-train=200)	0.01	0.35	0.02
Pseudocalanus spp. (n=7-train=200)	0.02	0.86	0.04
Calanus spp. (n=6-train=200)	0.00	0.00	0.00
Copepoda (nauplii) (n=4-train=200)	0.04	0.50	0.08
Bryozoa (larvae) (n=1-train=200)	0.00	0.00	0.00
macro avg	0.26	0.42	0.25
weighted avg	0.71	0.42	0.48
	precision	recall	f1-score

# Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

