

Use of SCN features: No  
Max learning objects: 5000 objects/class  
Strategy N° 3

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

Confusion Matrix - In percent of Actual Value

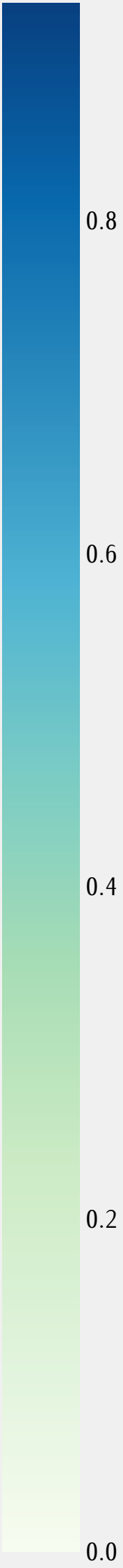
Classification Report Matrix  
max 5000 learning objects per class

Actual Values

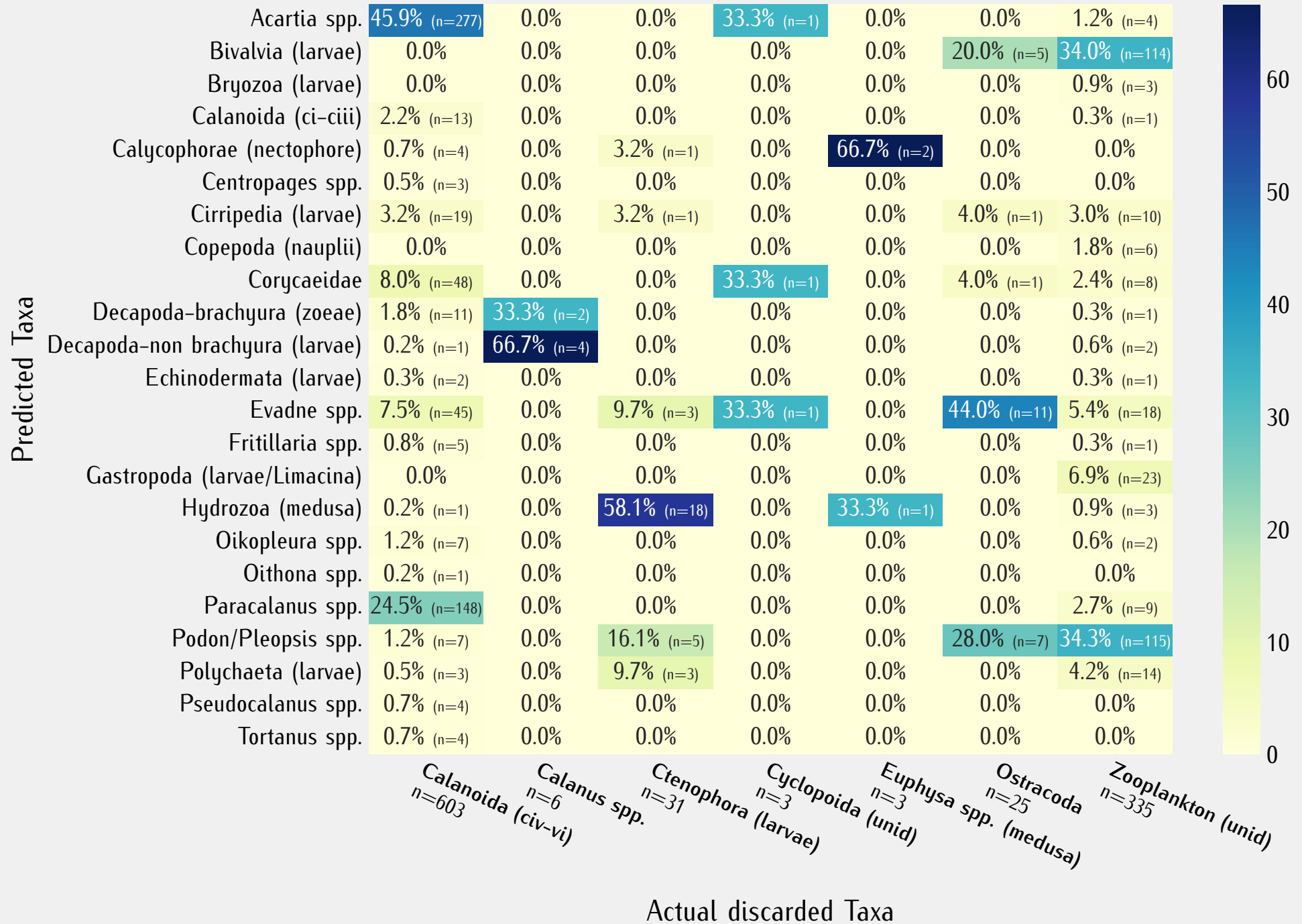
Cirripedia (larvae)	77%	2%	<1%	13%	<1%	2%	<1%	<1%	<1%	<1%	<1%	<1%	<1%		1%	1%	1%					<1%	<1%
Acartia spp.	<1%	79%	<1%	<1%	<1%	<1%	6%	1%	8%				<1%	<1%	<1%	<1%		<1%		<1%	<1%		
Oikopleura spp.	2%	2%	82%	3%	2%	2%	<1%	<1%	<1%		<1%	<1%	<1%	<1%	2%	3%	<1%	<1%	<1%			<1%	<1%
Podon/Pleopsis spp.	9%	2%	<1%	56%		9%	1%	3%	10%			2%	3%		<1%	2%					<1%	2%	
Fritillaria spp.	<1%	5%	46%	<1%	40%	2%	<1%	<1%	<1%			<1%	<1%		4%	<1%			<1%	<1%			
Evadne spp.	7%	2%	<1%	10%		69%	<1%		5%		<1%	<1%	4%		1%	<1%					<1%	<1%	
Corycaeidae	<1%	15%	2%	1%		1%	70%	<1%	5%			<1%		<1%		1%	<1%	<1%	<1%		<1%		
Calanoida (ci-ciui)	15%	16%	<1%	13%		5%	11%	15%	7%			3%			9%						4%	<1%	
Paracalanus spp.	<1%	7%	<1%	2%		2%	1%		80%					<1%		<1%	<1%				4%		
Gastropoda (larvae/Limacina)	6%	4%		33%		6%		2%	3%	33%	7%	2%	<1%		<1%							3%	
Bivalvia (larvae)				15%			1%			4%	78%											1%	1%
Polychaeta (larvae)	25%	5%		15%		3%	3%	3%	2%			31%	2%			2%	2%	6%				2%	2%
Hydrozoa (medusa)			2%	2%		4%			5%			4%	78%			4%	2%						
Centropages spp.		26%	2%									2%		20%		2%	20%	16%	8%			4%	
Echinodermata (larvae)	5%			14%	2%	50%			2%			14%			10%							2%	
Calycephorae (nectophore)												3%	8%		78%	8%	3%						
Decapoda-brachyura (zoeae)	3%	3%							6%				3%			6%	62%	12%				3%	
Decapoda-non brachyura (larvae)		4%		4%		4%						12%				4%	73%						
Tortanus spp.	4%	4%											12%		21%	21%		38%					
Ascidiaacea (larvae)			48%																52%				
Oithona spp.		47%	12%		12%		6%						12%				6%			6%			
Pseudocalanus spp.									14%				14%			14%	14%				43%		
Copepoda (nauplii)				50%				25%														25%	
Bryozoa (larvae)	100%																						

Predicted Values

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=5000)	0.93	0.77	0.84
Acartia spp. (n=2290-train=4410)	0.89	0.79	0.84
Oikopleura spp. (n=1773-train=4507)	0.84	0.82	0.83
Podon/Pleopsis spp. (n=607-train=3605)	0.36	0.56	0.44
Fritillaria spp. (n=475-train=844)	0.81	0.40	0.54
Evadne spp. (n=358-train=981)	0.55	0.69	0.61
Corycaeidae (n=335-train=1760)	0.57	0.70	0.63
Calanoida (ci-ciii) (n=150-train=313)	0.24	0.15	0.18
Paracalanus spp. (n=141-train=1525)	0.25	0.80	0.38
Gastropoda (larvae/Limacina) (n=126-train=291)	0.71	0.33	0.45
Bivalvia (larvae) (n=96-train=119)	0.80	0.78	0.79
Polychaeta (larvae) (n=65-train=661)	0.27	0.31	0.29
Hydrozoa (medusa) (n=55-train=301)	0.37	0.78	0.51
Centropages spp. (n=50-train=119)	0.25	0.20	0.22
Echinodermata (larvae) (n=42-train=2649)	0.00	0.00	0.00
Calycephorae (nectophore) (n=37-train=966)	0.20	0.78	0.32
Decapoda-brachyura (zoeae) (n=32-train=343)	0.18	0.62	0.28
Decapoda-non brachyura (larvae) (n=26-train=219)	0.44	0.73	0.55
Tortanus spp. (n=24-train=88)	0.35	0.38	0.36
Ascidiaacea (larvae) (n=23-train=54)	0.75	0.52	0.62
Oithona spp. (n=17-train=44)	0.06	0.06	0.06
Pseudocalanus spp. (n=7-train=65)	0.15	0.43	0.22
Copepoda (nauplii) (n=4-train=233)	0.02	0.25	0.03
Bryozoa (larvae) (n=1-train=50)	0.00	0.00	0.00
macro avg	0.42	0.49	0.42
weighted avg	0.79	0.72	0.74
	precision	recall	f1-score



# Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

