

Use of SCN features: Yes  
Max learning objects: 20000 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 (ci-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

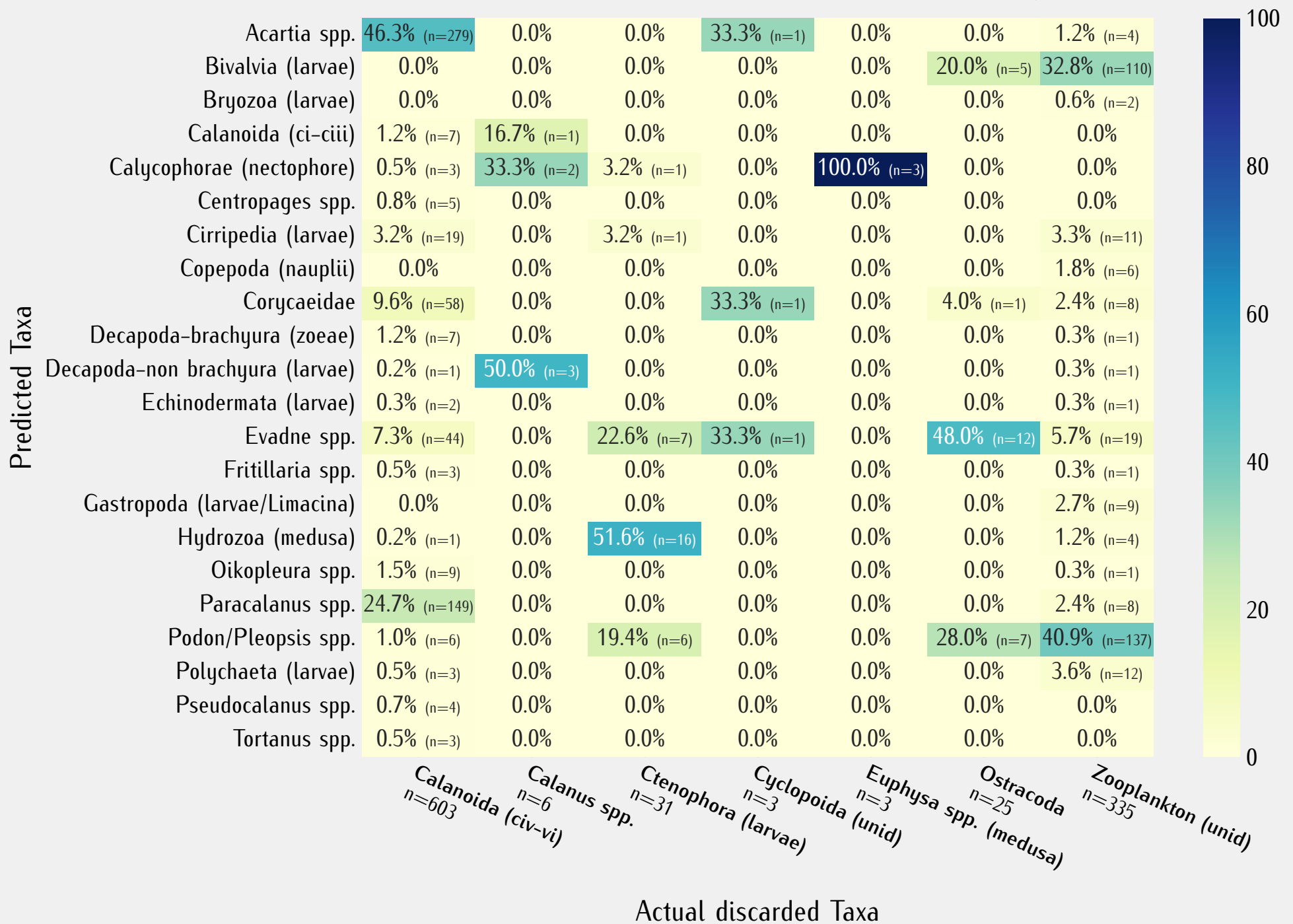
Actual Values	Cirripedia (larvae)	77%	1%	<1%	15%	<1%	2%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	1%	<1%	<1%	<1%	<1%	<1%	<1%	
	Acartia spp.	1%	80%	<1%	<1%	<1%	<1%	6%	<1%	9%				<1%	<1%	<1%	<1%	<1%		<1%		<1%	<1%	
	Oikopleura spp.	2%	2%	82%	3%	2%	2%	<1%	<1%	1%		<1%	<1%	<1%	<1%	2%	3%	<1%	<1%	<1%	<1%		<1%	<1%
	Podon/Pleopsis spp.	10%	2%	<1%	55%	<1%	10%	1%	2%	10%	<1%	<1%	2%	3%			<1%	1%					<1%	
	Fritillaria spp.	<1%	6%	52%	<1%	34%	2%	<1%		<1%			<1%			4%	<1%							
	Evadne spp.	7%	1%	<1%	12%		67%			5%		<1%	<1%	5%		<1%	<1%						<1%	
	Corycaeidae	<1%	14%	2%	1%		<1%	71%	<1%	5%			<1%		<1%		2%	<1%		<1%		<1%		
	Calanoida (ci-ciui)	18%	16%	<1%	14%		5%	11%	11%	8%			4%			9%							3%	
	Paracalanus spp.	<1%	6%	<1%	1%		1%	<1%		84%				<1%	<1%		<1%	<1%				2%		
	Gastropoda (larvae/Limacina)	7%	5%		52%		3%		<1%	3%	18%	6%	2%	<1%		<1%							2%	
	Bivalvia (larvae)				15%		1%	1%			2%	79%											2%	
	Polychaeta (larvae)	25%	6%		17%		3%	5%		6%			26%	3%		2%	2%	3%	3%					
	Hydrozoa (medusa)			2%	2%		5%			2%				82%			5%	2%						
	Centropages spp.		30%	4%				2%					4%		20%		2%	6%	14%	18%				
	Echinodermata (larvae)	2%			17%	2%	50%			2%			14%			10%							2%	
	Calycophorae (nectophore)												8%			78%	8%	5%						
	Decapoda-brachyura (zoeae)		3%							3%			3%	3%		3%	81%	3%						
	Decapoda-non brachyura (larvae)		4%				4%						12%				8%	73%						
	Tortanus spp.	4%	4%											4%		29%	12%	12%	33%					
	Ascidacea (larvae)			65%																35%				
	Oithona spp.		53%	12%		12%		6%					12%				6%							
	Pseudocalanus spp.									29%						14%		14%				43%		
	Copepoda (nauplii)	25%			50%					25%														
	Bryozoa (larvae)	100%																						
		Cirripedia (larvae)	Acartia spp.	Oikopleura spp.	Podon/Pleopsis spp.	Fritillaria spp.	Evadne spp.	Corycaeidae	Calanoida (ci-ciui)	Paracalanus spp.	Gastropoda (larvae/Limacina)	Bivalvia (larvae)	Polychaeta (larvae)	Hydrozoa (larvae)	Centropages spp.	Echinodermata (larvae)	Calycophorae (larvae)	Decapoda-brachyura (zoeae)	Decapoda-non brachyura (larvae)	Tortanus spp.	Ascidacea (larvae)	Oithona spp.	Pseudocalanus spp.	Copepoda (nauplii)

Predicted Values

Classification Report Matrix  
max 20000 learning objects per class

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=6358)	0.92	0.77	0.84
Acartia spp. (n=2290-train=4410)	0.88	0.80	0.84
Oikopleura spp. (n=1773-train=4507)	0.82	0.82	0.82
Podon/Pleopsis spp. (n=607-train=3605)	0.32	0.55	0.41
Fritillaria spp. (n=475-train=844)	0.82	0.34	0.48
Evadne spp. (n=358-train=981)	0.55	0.67	0.60
Corycaeidae (n=335-train=1760)	0.58	0.71	0.64
Calanoida (ci-ciii) (n=150-train=313)	0.34	0.11	0.17
Paracalanus spp. (n=141-train=1525)	0.24	0.84	0.38
Gastropoda (larvae/Limacina) (n=126-train=291)	0.77	0.18	0.29
Bivalvia (larvae) (n=96-train=119)	0.82	0.79	0.80
Polychaeta (larvae) (n=65-train=661)	0.28	0.26	0.27
Hydrozoa (medusa) (n=55-train=301)	0.39	0.82	0.53
Centropages spp. (n=50-train=119)	0.27	0.20	0.23
Echinodermata (larvae) (n=42-train=2649)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=966)	0.19	0.78	0.31
Decapoda-brachyura (zoeae) (n=32-train=343)	0.25	0.81	0.39
Decapoda-non brachyura (larvae) (n=26-train=219)	0.50	0.73	0.59
Tortanus spp. (n=24-train=88)	0.26	0.33	0.29
Ascidiaacea (larvae) (n=23-train=54)	0.89	0.35	0.50
Oithona spp. (n=17-train=44)	0.00	0.00	0.00
Pseudocalanus spp. (n=7-train=65)	0.21	0.43	0.29
Copepoda (nauplii) (n=4-train=233)	0.00	0.00	0.00
Bryozoa (larvae) (n=1-train=50)	0.00	0.00	0.00
macro avg	0.43	0.47	0.40
weighted avg	0.78	0.72	0.73
	precision	recall	f1-score

# Predicted Taxa



Relative Abundance of Top Taxonomic Instances per Sample

