

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

Confusion Matrix - In percent of Actual Value

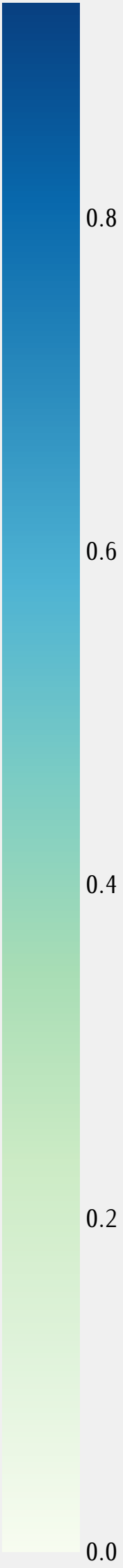
Classification Report Matrix
max 5000 learning objects per class

Actual Values

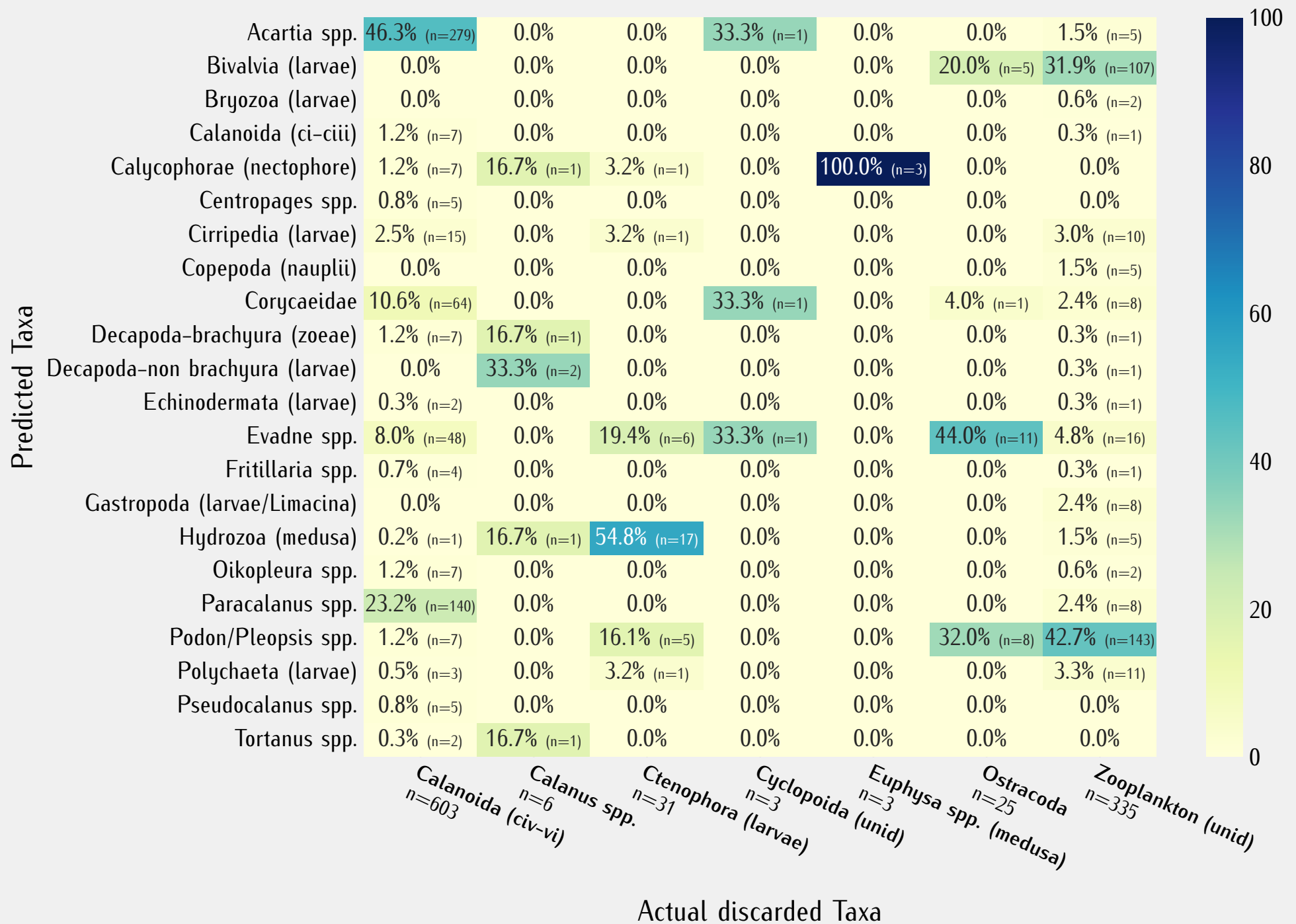
Cirripedia (larvae)	75%	2%	<1%	15%	<1%	2%	<1%	<1%	<1%	<1%	<1%	<1%	<1%		1%	1%	2%		<1%			<1%	<1%
Acartia spp.	1%	80%	<1%	<1%	<1%	<1%	6%	<1%	9%		<1%		<1%	<1%	<1%	<1%		<1%		<1%	<1%		
Oikopleura spp.	2%	2%	82%	3%	2%	1%	<1%	<1%	1%		<1%	<1%	<1%	<1%	2%	3%	<1%	<1%	<1%		<1%	<1%	
Podon/Pleopsis spp.	9%	2%	<1%	54%	<1%	11%	<1%	2%	10%	<1%		2%	3%		<1%	1%						1%	
Fritillaria spp.	<1%	5%	53%	<1%	33%	2%	<1%		<1%		<1%			4%	<1%					<1%			
Evadne spp.	7%	1%	<1%	12%		67%		<1%	5%		<1%		5%		1%	<1%					<1%		
Corycaeidae	<1%	14%	2%	1%		<1%	70%	<1%	5%			<1%		<1%		2%	<1%	<1%	<1%		<1%		
Calanoida (ci-ciui)	16%	16%	<1%	14%		4%	10%	11%	9%			5%			11%							4%	
Paracalanus spp.	<1%	6%	<1%	1%		2%	<1%		84%					<1%		<1%	<1%				1%		
Gastropoda (larvae/Limacina)	6%	5%		48%		4%		<1%	4%	21%	6%	<1%	2%		<1%							2%	
Bivalvia (larvae)				17%		1%	1%			1%	78%											2%	
Polychaeta (larvae)	25%	6%		17%		6%	5%	2%	3%			25%	3%		2%	2%	3%	3%					
Hydrozoa (medusa)			2%	2%		4%			4%				82%		5%	2%							
Centropages spp.		30%	4%				2%					2%		18%		6%	18%	16%			4%		
Echinodermata (larvae)	2%			17%	2%	50%						2%	14%		10%						2%		
Calycophorae (nectophore)												3%	8%		78%	5%	5%						
Decapoda-brachyura (zoeae)									6%				3%	3%		6%	75%	6%					
Decapoda-non brachyura (larvae)		4%				4%							12%			8%	73%						
Tortanus spp.	4%	4%												4%		25%	12%	12%	38%				
Ascidiaacea (larvae)			65%																35%				
Oithona spp.		65%	6%		6%		6%						12%				6%						
Pseudocalanus spp.									29%						14%		14%				43%		
Copepoda (nauplii)	25%			25%				25%														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 (medusa) Centropages spp. Echinodermata (larvae) Calycophorae (nectophore) Decapoda-brachyura (zoeae) Decapoda-non brachyura (larvae) Tortanus spp. Ascidiaacea (larvae) Oithona spp. Pseudocalanus spp. Copepoda (nauplii) Bryozoa (larvae)																							

Predicted Values

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=5000)	0.93	0.75	0.83
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	0.54	0.40
Fritillaria spp. (n=475-train=844)	0.80	0.33	0.47
Evadne spp. (n=358-train=981)	0.54	0.67	0.60
Corycaeidae (n=335-train=1760)	0.58	0.70	0.64
Calanoida (ci-ciii) (n=150-train=313)	0.32	0.11	0.17
Paracalanus spp. (n=141-train=1525)	0.24	0.84	0.37
Gastropoda (larvae/Limacina) (n=126-train=291)	0.79	0.21	0.33
Bivalvia (larvae) (n=96-train=119)	0.82	0.78	0.80
Polychaeta (larvae) (n=65-train=661)	0.25	0.25	0.25
Hydrozoa (medusa) (n=55-train=301)	0.37	0.82	0.51
Centropages spp. (n=50-train=119)	0.27	0.18	0.22
Echinodermata (larvae) (n=42-train=2649)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=966)	0.19	0.78	0.30
Decapoda-brachyura (zoeae) (n=32-train=343)	0.21	0.75	0.33
Decapoda-non brachyura (larvae) (n=26-train=219)	0.45	0.73	0.56
Tortanus spp. (n=24-train=88)	0.28	0.38	0.32
Ascidiaacea (larvae) (n=23-train=54)	0.80	0.35	0.48
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)	0.03	0.25	0.05
Bryozoa (larvae) (n=1-train=50)	0.00	0.00	0.00
macro avg	0.42	0.48	0.40
weighted avg	0.78	0.71	0.73
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

