

Use of SCN features: No
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 (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

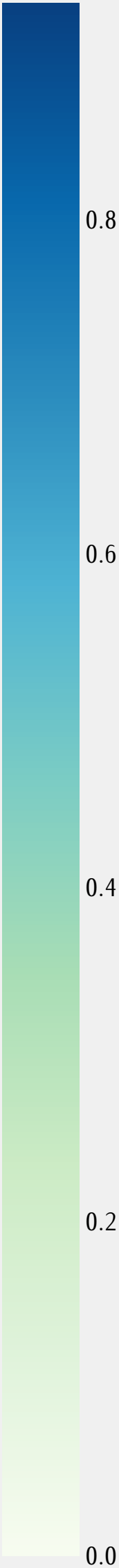
Classification Report Matrix
max 20000 learning objects per class

Actual Values

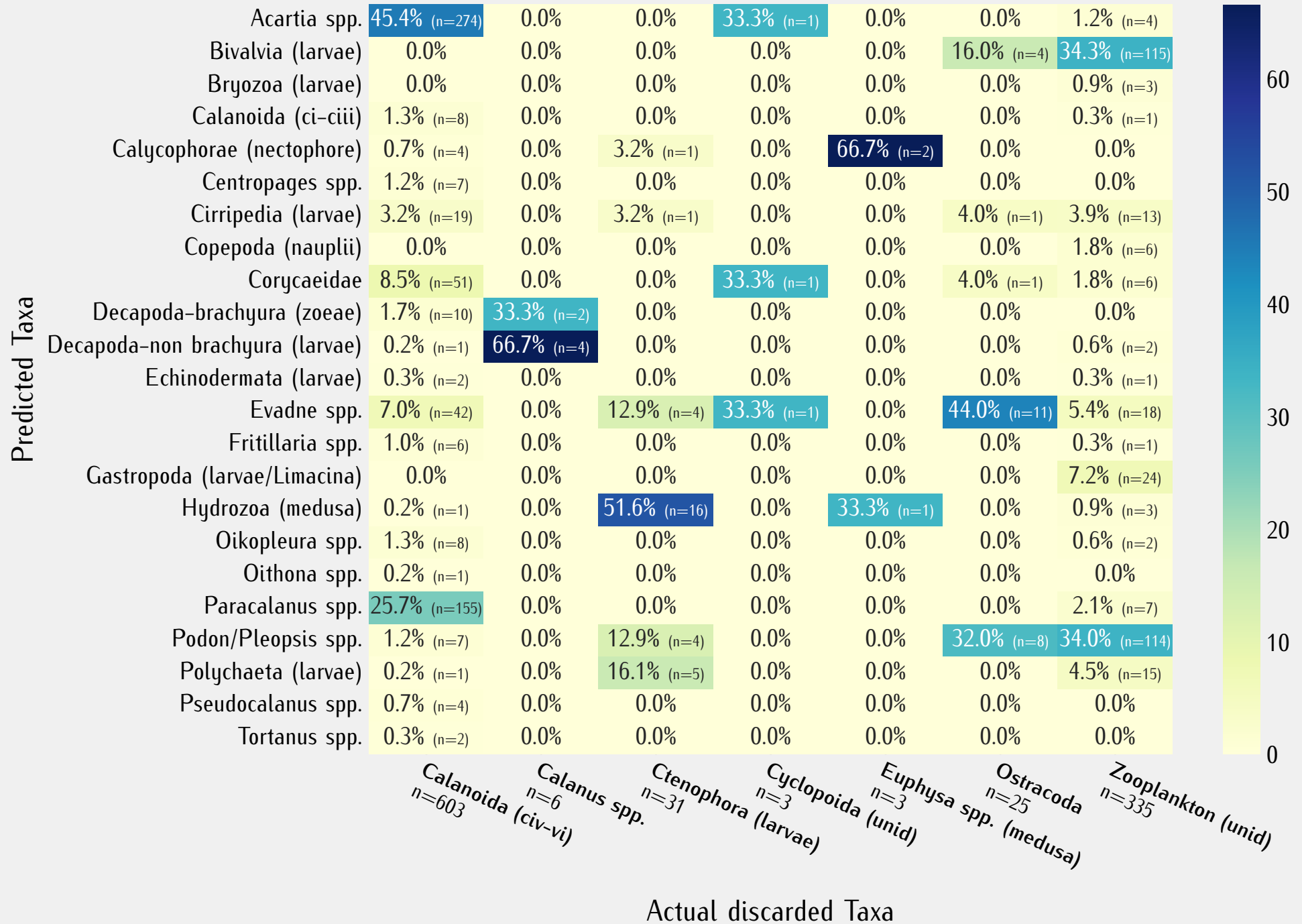
Cirripedia (larvae)	78%	1%	<1%	12%	<1%	2%	<1%	<1%	<1%	<1%	<1%	<1%	<1%		1%	1%	<1%					<1%	<1%
Acartia spp.	1%	79%	<1%	<1%	<1%	<1%	6%	<1%	8%				<1%	<1%	<1%	<1%		<1%		<1%	<1%		
Oikopleura spp.	2%	2%	81%	3%	2%	2%	<1%	<1%	1%		<1%	<1%	<1%	<1%	2%	3%	<1%	<1%	<1%			<1%	<1%
Podon/Pleopsis spp.	9%	1%	<1%	56%		9%	1%	3%	10%			2%	3%		<1%	1%					<1%	3%	
Fritillaria spp.	<1%	6%	45%	<1%	41%	2%	<1%		<1%			<1%	<1%		4%				<1%				
Evadne spp.	7%	1%	<1%	10%		70%	<1%	<1%	4%		<1%	<1%	5%		<1%	<1%					<1%		
Corycaeidae	<1%	14%	2%	1%		1%	70%	1%	5%			<1%		<1%		<1%		<1%	<1%		<1%		
Calanoida (ci-ciui)	17%	16%	<1%	15%		5%	9%	15%	7%			4%			9%						3%	<1%	
Paracalanus spp.	<1%	7%	<1%	2%		2%	<1%		80%			<1%				<1%	<1%				4%		
Gastropoda (larvae/Limacina)	6%	5%		39%		4%		2%	2%	29%	7%	2%	<1%		<1%							2%	
Bivalvia (larvae)				15%			1%			4%	79%											1%	
Polychaeta (larvae)	25%	5%		17%		5%	5%		3%			28%	2%		2%	2%	6%				2%	2%	
Hydrozoa (medusa)			2%	2%		2%			5%			4%	80%		4%	2%							
Centropages spp.		24%	4%				2%					2%		20%		18%	16%	12%			2%		
Echinodermata (larvae)	5%			14%	2%	50%						2%	14%			10%					2%		
Calycephorae (nectophore)								3%					8%			78%	5%	3%			3%		
Decapoda-brachyura (zoeae)	3%	3%		3%					3%							6%	66%	12%			3%		
Decapoda-non brachyura (larvae)		4%				4%						4%	12%			8%	69%						
Tortanus spp.	8%	4%												12%		21%	21%		33%				
Ascidiaacea (larvae)			52%																48%				
Oithona spp.		47%	12%		12%		6%						12%				6%			6%			
Pseudocalanus spp.									14%				14%			14%	14%				43%		
Copepoda (nauplii)				50%				25%														25%	
Bryozoa (larvae)	100%																						
Cirripedia (larvae)																							
Acartia spp.																							
Oikopleura spp.																							
Podon/Pleopsis spp.																							
Fritillaria spp.																							
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Oithona spp.																							
Pseudocalanus spp.																							
Copepoda (nauplii)																							
Bryozoa (larvae)																							

Predicted Values

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=6358)	0.93	0.78	0.85
Acartia spp. (n=2290-train=4410)	0.89	0.79	0.83
Oikopleura spp. (n=1773-train=4507)	0.84	0.81	0.82
Podon/Pleopsis spp. (n=607-train=3605)	0.37	0.56	0.44
Fritillaria spp. (n=475-train=844)	0.79	0.41	0.54
Evadne spp. (n=358-train=981)	0.56	0.70	0.62
Corycaeidae (n=335-train=1760)	0.56	0.70	0.62
Calanoida (ci-ciii) (n=150-train=313)	0.27	0.15	0.20
Paracalanus spp. (n=141-train=1525)	0.25	0.80	0.38
Gastropoda (larvae/Limacina) (n=126-train=291)	0.67	0.29	0.41
Bivalvia (larvae) (n=96-train=119)	0.81	0.79	0.80
Polychaeta (larvae) (n=65-train=661)	0.26	0.28	0.27
Hydrozoa (medusa) (n=55-train=301)	0.37	0.80	0.51
Centropages spp. (n=50-train=119)	0.27	0.20	0.23
Echinodermata (larvae) (n=42-train=2649)	0.00	0.00	0.00
Calycephorae (nectophore) (n=37-train=966)	0.21	0.78	0.33
Decapoda-brachyura (zoeae) (n=32-train=343)	0.20	0.66	0.31
Decapoda-non brachyura (larvae) (n=26-train=219)	0.40	0.69	0.51
Tortanus spp. (n=24-train=88)	0.31	0.33	0.32
Ascidiaacea (larvae) (n=23-train=54)	0.65	0.48	0.55
Oithona spp. (n=17-train=44)	0.07	0.06	0.06
Pseudocalanus spp. (n=7-train=65)	0.13	0.43	0.20
Copepoda (nauplii) (n=4-train=233)	0.02	0.25	0.04
Bryozoa (larvae) (n=1-train=50)	0.00	0.00	0.00
macro avg	0.41	0.49	0.41
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

