

Use of SCN features: No
Max learning objects: 20000 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

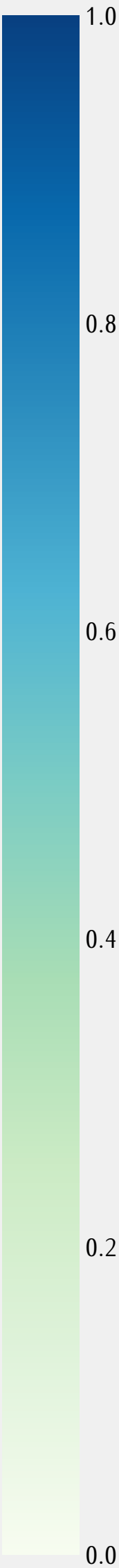
Classification Report Matrix
max 20000 learning objects per class

Actual Values

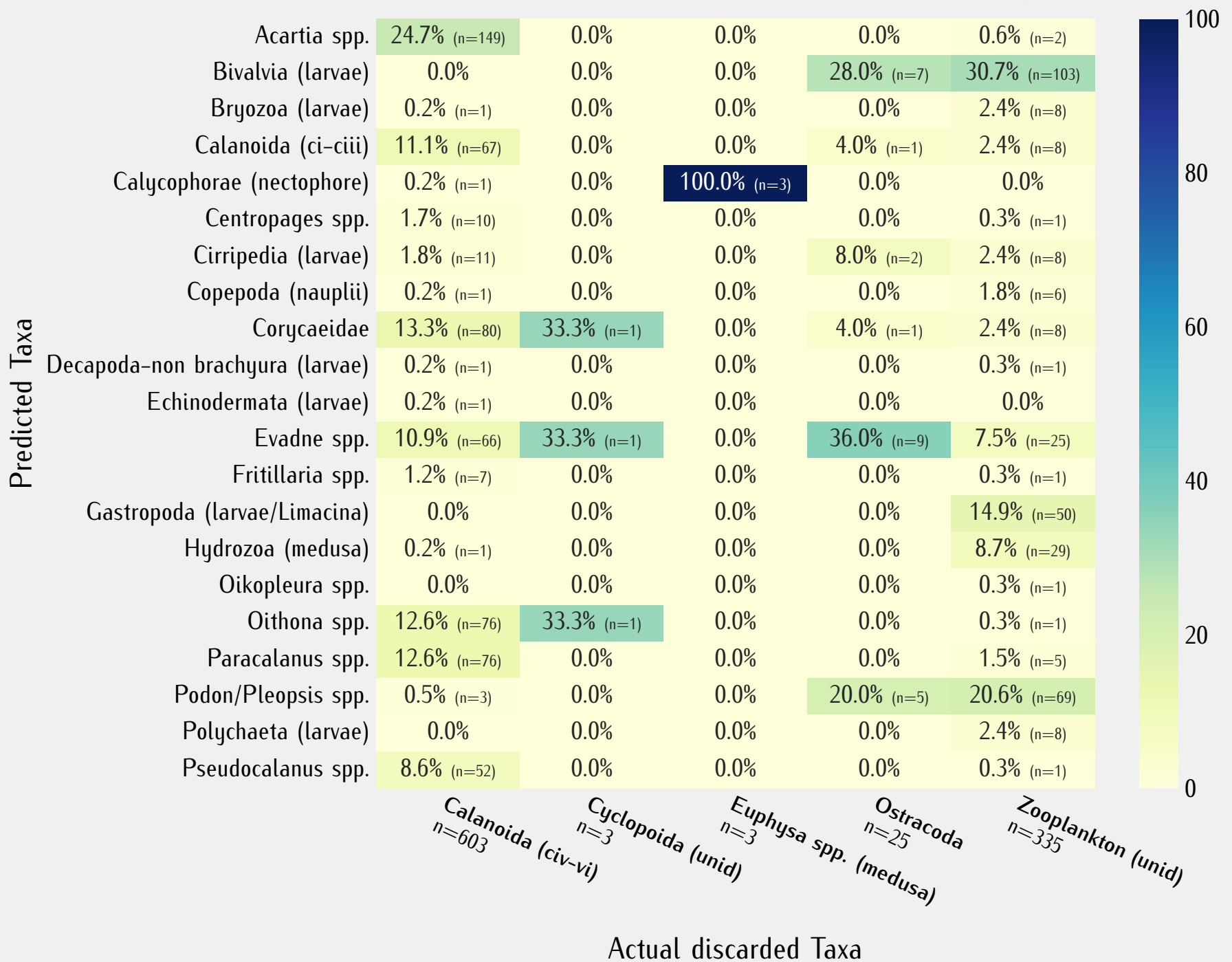
Cirripedia (larvae)	74%	<1%	<1%	11%	<1%	7%	<1%	<1%	<1%	1%		<1%	<1%	<1%	1%	<1%	<1%		<1%			<1%	<1%		<1%	<1%
Acartia spp.	<1%	57%	<1%	<1%	<1%	1%	10%	4%	6%				<1%	<1%		<1%	<1%		<1%	<1%	17%	2%				
Oikopleura spp.	1%	1%	68%	2%	17%	3%	<1%	1%	<1%	<1%		<1%	<1%	<1%	2%			<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Podon/Pleopsis spp.	8%	1%	<1%	46%		26%	2%	2%	6%	1%	<1%	2%	<1%			<1%	<1%	<1%			<1%	<1%		<1%	<1%	<1%
Fritillaria spp.	<1%	1%	20%		65%	<1%	<1%	1%	<1%				2%		2%				<1%			6%		<1%	<1%	<1%
Evadne spp.	3%		<1%	5%		72%	1%	2%	3%	2%	<1%		7%		<1%	<1%		<1%			<1%		<1%	<1%	1%	
Corycaeidae	<1%	17%	<1%	1%	<1%	<1%	64%	2%	3%			<1%		2%		<1%		<1%	<1%		3%	3%				
Calanoida (ci-ciui)	11%	4%	<1%	14%		15%	13%	17%	3%			2%			4%						13%			2%	<1%	
Paracalanus spp.	<1%	9%	<1%	1%		1%		4%	55%					<1%			<1%					26%				
Gastropoda (larvae/Limacina)	3%	2%		17%		12%		2%		54%	6%	<1%									3%			<1%		
Bivalvia (larvae)				6%			1%			5%	82%		3%											2%		
Polychaeta (larvae)	17%	2%		14%		14%	2%	2%	2%	2%		28%	2%			6%			3%		2%		6%		2%	
Hydrozoa (medusa)		2%				7%			2%	2%		13%	64%			4%	2%	2%	2%					2%		
Centropages spp.		20%			4%			2%						40%				2%	8%			16%	8%			
Echinodermata (larvae)				2%	2%	10%						2%	74%			5%		2%	2%							
Calycophorae (nectophore)								3%				3%	3%	5%		73%			8%				5%			
Decapoda-brachyura (zoeae)	3%	12%						3%						16%		6%	28%		9%			9%	9%		3%	
Ctenophora (larvae)	3%			6%		13%				10%		26%	26%		3%			10%	3%							
Decapoda-non brachyura (larvae)				4%		4%						4%							81%					8%		
Tortanus spp.	8%	4%												21%		21%	4%			38%		4%				
Ascidacea (larvae)			4%		17%															78%						
Oithona spp.		35%	6%		18%									6%								35%				
Pseudocalanus spp.																							100%			
Calanus spp.														17%				50%				17%	17%			
Copepoda (nauplii)				25%					25%															50%		
Bryozoa (larvae)	100%																									

Predicted Values

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=7685)	0.94	0.74	0.83
Acartia spp. (n=2290-train=20000)	0.89	0.57	0.69
Oikopleura spp. (n=1773-train=5305)	0.91	0.68	0.78
Podon/Pleopsis spp. (n=607-train=7347)	0.38	0.46	0.41
Fritillaria spp. (n=475-train=6992)	0.48	0.65	0.55
Evadne spp. (n=358-train=11064)	0.33	0.72	0.45
Corycaeidae (n=335-train=1760)	0.44	0.64	0.52
Calanoida (ci-ciii) (n=150-train=5557)	0.13	0.17	0.15
Paracalanus spp. (n=141-train=1619)	0.26	0.55	0.36
Gastropoda (larvae/Limacina) (n=126-train=3272)	0.50	0.54	0.52
Bivalvia (larvae) (n=96-train=3764)	0.88	0.82	0.85
Polychaeta (larvae) (n=65-train=1577)	0.25	0.28	0.26
Hydrozoa (medusa) (n=55-train=4052)	0.21	0.64	0.32
Centropages spp. (n=50-train=3620)	0.33	0.40	0.36
Echinodermata (larvae) (n=42-train=3043)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=966)	0.23	0.73	0.36
Decapoda-brachyura (zoeae) (n=32-train=628)	0.24	0.28	0.26
Ctenophora (larvae) (n=31-train=42)	0.43	0.10	0.16
Decapoda-non brachyura (larvae) (n=26-train=423)	0.48	0.81	0.60
Tortanus spp. (n=24-train=203)	0.47	0.38	0.42
Ascidacea (larvae) (n=23-train=861)	0.62	0.78	0.69
Oithona spp. (n=17-train=5881)	0.01	0.35	0.02
Pseudocalanus spp. (n=7-train=4845)	0.06	1.00	0.11
Calanus spp. (n=6-train=359)	0.10	0.17	0.12
Copepoda (nauplii) (n=4-train=11555)	0.04	0.50	0.08
Bryozoa (larvae) (n=1-train=1142)	0.00	0.00	0.00
macro avg	0.37	0.50	0.38
weighted avg	0.77	0.64	0.68
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

