

Use of SCN features: Yes
Max learning objects: 200 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

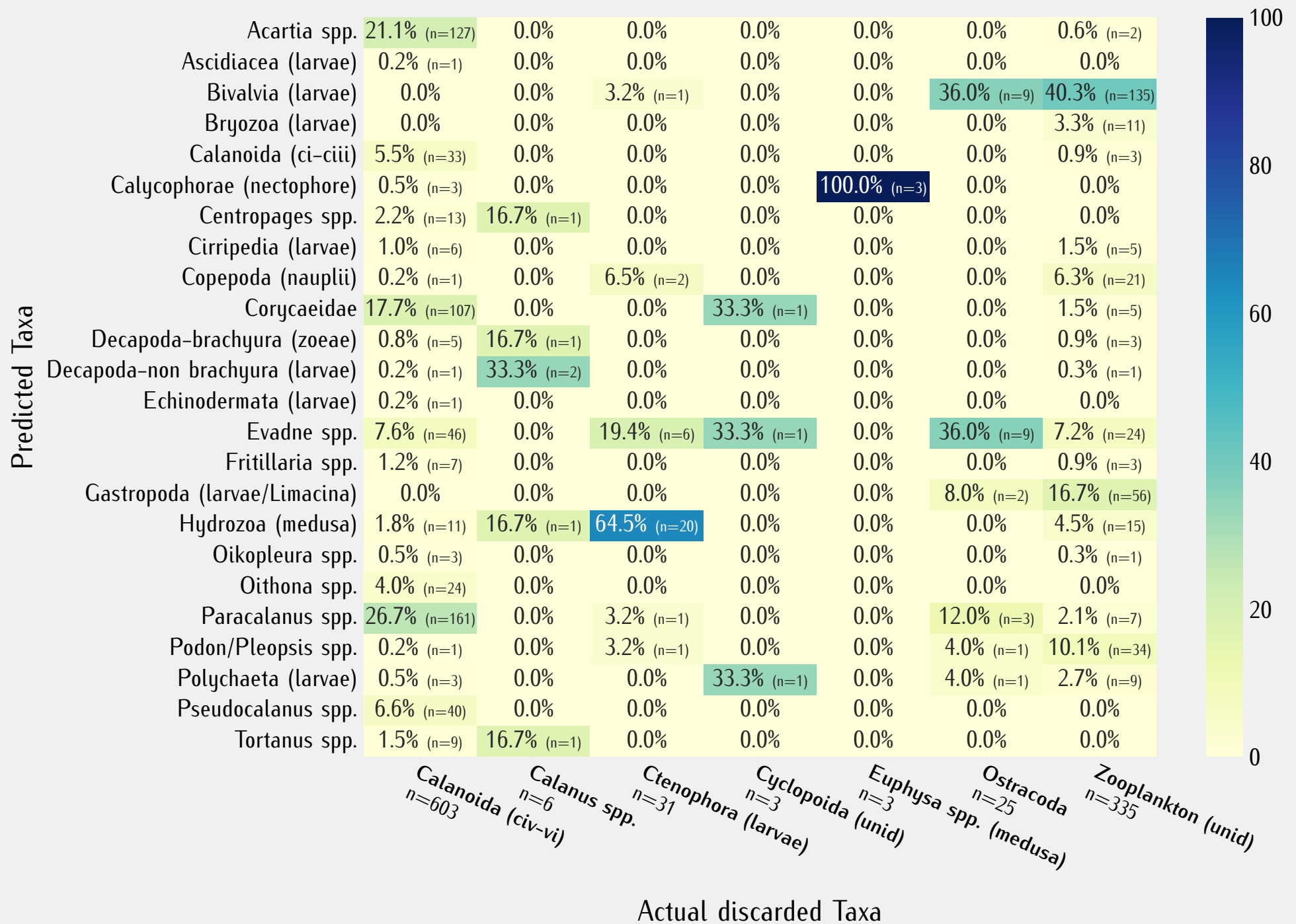
Confusion Matrix - In percent of Actual Value

Actual Values	Cirripedia (larvae)	55%	2%	<1%	8%	<1%	4%		4%	3%	3%	<1%	<1%	2%		3%	1%	6%		2%		<1%	<1%	5%	<1%	
	Acartia spp.	<1%	43%	<1%		1%	<1%	21%	4%	13%			<1%		2%		<1%	<1%		2%		7%	5%	<1%		
	Oikopleura spp.	<1%	1%	63%	<1%	9%	2%	<1%	1%	1%	<1%	<1%	<1%	<1%	2%	3%	5%		<1%	<1%	5%	<1%	<1%	1%	<1%	
	Podon/Pleopsis spp.	4%	<1%	<1%	17%	<1%	14%	<1%	15%	12%	1%	<1%	4%	12%	<1%		<1%	2%				<1%	<1%	15%	<1%	
	Fritillaria spp.	<1%	3%	27%	<1%	53%	2%	1%	<1%	1%			<1%	<1%		7%	<1%				4%	1%				
	Evadne spp.	6%	1%	<1%	7%		63%	<1%	<1%	6%	1%	2%	<1%	7%		1%	<1%							<1%	2%	
	Corycaeidae	<1%	8%	2%	1%		<1%	64%	2%	8%			2%		1%		<1%	<1%	<1%	1%		<1%	5%	<1%		
	Calanoida (ci-ciii)	9%	5%		5%	3%	8%	7%	30%	5%			7%	<1%		9%						1%		9%	1%	
	Paracalanus spp.		2%				<1%	1%		58%				1%	2%						3%			31%		
	Gastropoda (larvae/Limacina)	2%	<1%		9%	2%	6%		3%	3%	49%	8%	<1%	2%								2%		10%	3%	
	Bivalvia (larvae)				4%		1%		1%		7%	83%												1%	2%	
	Polychaeta (larvae)	14%	8%		9%		3%	2%	5%	8%	2%		12%	6%		2%	2%	5%	5%	2%			11%	5%	3%	
	Hydrozoa (medusa)						4%			2%				84%	2%		4%	2%						4%		
	Centropages spp.		12%	2%						4%					24%		2%	8%	18%	18%				12%		
	Echinodermata (larvae)				5%	2%	60%			2%			2%	19%			5%	2%						2%		
	Calycophorae (nectophore)					3%								8%	3%		73%	5%	8%							
	Decapoda-brachyura (zoeae)							3%		3%				3%	6%		3%	72%	6%	3%						
	Decapoda-non brachyura (larvae)						4%	4%						12%				4%	77%							
	Tortanus spp.		4%						4%						4%		17%	8%	12%	50%						
	Ascidacea (larvae)			17%																	83%					
	Oithona spp.		35%	6%		18%									12%				6%			24%				
	Pseudocalanus spp.														14%			14%	14%				57%			
	Copepoda (nauplii)				25%				25%															50%		
	Bryozoa (larvae)	100%																								
			Cirripedia (larvae)	Acartia spp.	Oikopleura spp.	Podon/Pleopsis spp.	Fritillaria spp.	Evadne spp.	Corycaeidae	Calanoida (ci-ciii)	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.	Ascidacea (larvae)	Oithona spp.	Pseudocalanus spp.	Copepoda (nauplii)	Bryozoa (larvae)
			Predicted Values																							

Classification Report Matrix
max 200 learning objects per class

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=200)	0.95	0.55	0.69
Acartia spp. (n=2290-train=200)	0.85	0.43	0.57
Oikopleura spp. (n=1773-train=200)	0.88	0.63	0.73
Podon/Pleopsis spp. (n=607-train=200)	0.23	0.17	0.19
Fritillaria spp. (n=475-train=200)	0.53	0.53	0.53
Evadne spp. (n=358-train=200)	0.42	0.63	0.51
Corycaeidae (n=335-train=200)	0.30	0.64	0.41
Calanoida (ci-ciii) (n=150-train=200)	0.12	0.30	0.17
Paracalanus spp. (n=141-train=200)	0.13	0.58	0.21
Gastropoda (larvae/Limacina) (n=126-train=200)	0.35	0.49	0.41
Bivalvia (larvae) (n=96-train=119)	0.67	0.83	0.74
Polychaeta (larvae) (n=65-train=200)	0.09	0.12	0.11
Hydrozoa (medusa) (n=55-train=200)	0.19	0.84	0.32
Centropages spp. (n=50-train=119)	0.12	0.24	0.16
Echinodermata (larvae) (n=42-train=200)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=200)	0.15	0.73	0.25
Decapoda-brachyura (zoeae) (n=32-train=200)	0.09	0.72	0.17
Decapoda-non brachyura (larvae) (n=26-train=200)	0.38	0.77	0.51
Tortanus spp. (n=24-train=88)	0.07	0.50	0.12
Ascidiaacea (larvae) (n=23-train=54)	0.15	0.83	0.25
Oithona spp. (n=17-train=44)	0.02	0.24	0.04
Pseudocalanus spp. (n=7-train=65)	0.02	0.57	0.04
Copepoda (nauplii) (n=4-train=200)	0.01	0.50	0.01
Bryozoa (larvae) (n=1-train=50)	0.00	0.00	0.00
macro avg	0.28	0.49	0.30
weighted avg	0.74	0.51	0.58
	precision	recall	f1-score

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

