

Use of SCN features: No
Max learning objects: 200 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

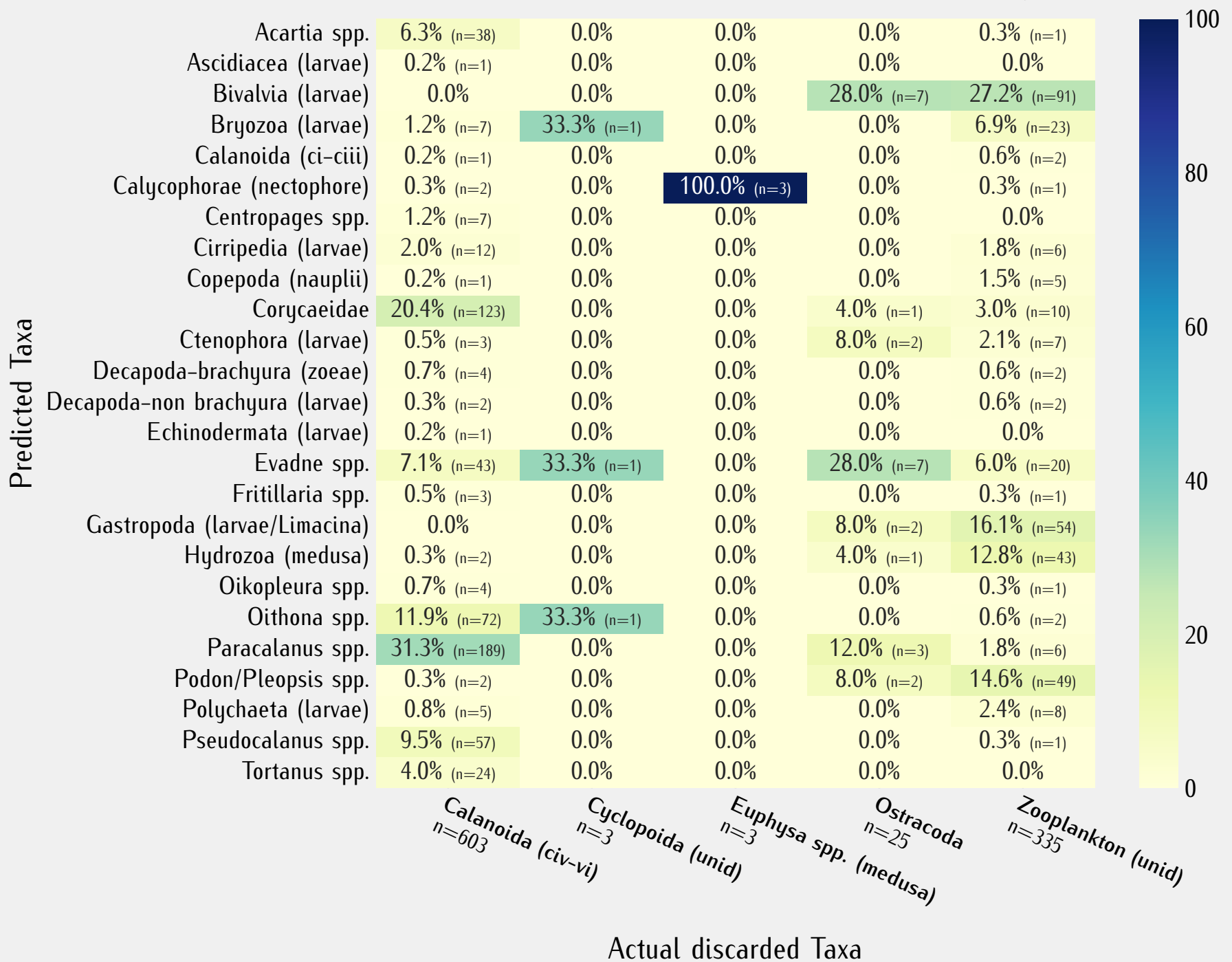
Confusion Matrix – In percent of Actual Value

	Cirripedia (larvae)	54%	<1%	<1%	11%	<1%	12%	<1%	<1%	1%	2%	<1%	<1%	2%	<1%	3%	1%	3%	<1%	<1%	4%		2%	<1%		<1%	2%	
	Acartia spp.	<1%	19%	<1%	<1%	<1%	<1%	23%	<1%	27%			<1%		<1%		<1%	<1%			5%	<1%	15%	8%				
	Oikopleura spp.	<1%	1%	59%	1%	22%	2%	<1%	<1%	2%	<1%		<1%	<1%	<1%	2%	3%		<1%	<1%	<1%	<1%	1%	<1%		<1%	<1%	
	Podon/Pleopsis spp.	12%	<1%	<1%	26%		22%	<1%	<1%	15%	2%		4%	1%	<1%		<1%	1%	4%	<1%	<1%		1%	<1%		<1%	8%	
	Fritillaria spp.		1%	22%		52%	1%	3%		<1%			<1%	1%		4%				<1%	1%	11%			<1%	<1%		
	Evadne spp.	4%		<1%	4%		46%	1%	<1%	8%	2%	<1%	1%	15%		1%	<1%		7%				<1%		<1%	6%		
	Corycaeidae	<1%	6%	2%	2%	<1%	<1%	66%		8%			2%		1%		<1%		<1%	1%	<1%	2%	4%			<1%		
	Calanoida (ci-ciii)	14%	3%		14%		13%	11%	2%	10%			5%			7%				<1%		12%			<1%	8%		
	Paracalanus spp.		3%	<1%				<1%		55%			<1%					<1%	2%		3%		33%			<1%		
Gastropoda (larvae/Limacina)		3%			15%		11%			3%	48%	3%	2%	2%					2%				3%			2%	6%	
	Bivalvia (larvae)				4%			1%			11%	71%		9%					1%							2%		
	Polychaeta (larvae)	14%	5%		11%		11%	5%		5%	2%		12%	5%		2%		3%	5%	5%			3%	12%		2%	2%	
	Hydrozoa (medusa)								4%				2%	20%	2%		13%	2%	56%	2%								
	Centropages spp.		10%			2%		2%		4%				18%		2%	4%		4%	26%			18%	10%				
	Echinodermata (larvae)				2%	5%			7%				2%	67%			5%		10%	2%								
	Calycephorae (nectophore)					3%									5%		65%	3%	3%	16%			3%	3%				
	Decapoda-brachyura (zoeae)		6%						3%					16%		3%	34%	3%	9%	9%				16%				
	Ctenophora (larvae)	3%			3%								10%	32%			3%		39%							10%		
Decapoda-non brachyura (larvae)							4%							4%	4%				8%	58%				23%				
	Tortanus spp.		4%											17%		17%	8%			50%		4%						
	Ascidacea (larvae)			9%		13%															78%							
	Oithona spp.		24%			18%		12%											6%	6%		35%						
	Pseudocalanus spp.																14%		14%				71%					
	Calanus spp.													17%					50%				17%	17%				
	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)	Calycephorae (nectophore)	Decapoda-brachyura (zoeae)	Ctenophora (larvae)	Decapoda-non brachyura (larvae)	Tortanus spp.	Ascidacea (larvae)	Oithona spp.	Pseudocalanus spp.	Calanus 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)	0.92	0.54	0.68
Acartia spp. (n=2290-train=200)	0.84	0.19	0.31
Oikopleura spp. (n=1773-train=200)	0.88	0.59	0.71
Podon/Pleopsis spp. (n=607-train=200)	0.25	0.26	0.25
Fritillaria spp. (n=475-train=200)	0.37	0.52	0.43
Evadne spp. (n=358-train=200)	0.21	0.46	0.29
Corycaeidae (n=335-train=200)	0.28	0.66	0.39
Calanoida (ci-ciii) (n=150-train=200)	0.13	0.02	0.03
Paracalanus spp. (n=141-train=200)	0.08	0.55	0.14
Gastropoda (larvae/Limacina) (n=126-train=200)	0.38	0.48	0.43
Bivalvia (larvae) (n=96-train=200)	0.89	0.71	0.79
Polychaeta (larvae) (n=65-train=200)	0.09	0.12	0.10
Hydrozoa (medusa) (n=55-train=200)	0.06	0.20	0.09
Centropages spp. (n=50-train=200)	0.16	0.18	0.17
Echinodermata (larvae) (n=42-train=200)	0.00	0.00	0.00
Calycephorae (nectophore) (n=37-train=200)	0.16	0.65	0.25
Decapoda-brachyura (zoeae) (n=32-train=200)	0.09	0.34	0.15
Ctenophora (larvae) (n=31-train=42)	0.09	0.39	0.14
Decapoda-non brachyura (larvae) (n=26-train=200)	0.33	0.58	0.42
Tortanus spp. (n=24-train=200)	0.04	0.50	0.07
Ascidacea (larvae) (n=23-train=200)	0.40	0.78	0.53
Oithona spp. (n=17-train=200)	0.01	0.35	0.02
Pseudocalanus spp. (n=7-train=200)	0.02	0.71	0.03
Calanus spp. (n=6-train=200)	0.06	0.17	0.08
Copepoda (nauplii) (n=4-train=200)	0.06	0.50	0.10
Bryozoa (larvae) (n=1-train=200)	0.00	0.00	0.00
macro avg	0.26	0.40	0.25
weighted avg	0.72	0.43	0.50
	precision	recall	f1-score

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

