

Use of SCN features: No  
Max learning objects: 200 objects/class  
Strategy N° 5

PA Selected Samples prediction using all regions training set,  
Learning with all classes present in the selected samples, no extra training categories,  
No Calanoida (ci-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

Actual Values

Cirripedia (larvae)	54%	<1%	<1%	11%	<1%	11%	<1%		<1%	2%	<1%	<1%	2%	<1%	3%	1%	2%	<1%	<1%	2%	4%		2%	<1%		<1%		2%
Acartia spp.	<1%	18%	<1%	<1%	<1%	<1%	23%	<1%	27%			<1%		1%		<1%	<1%				5%	<1%	15%	8%				
Oikopleura spp.	<1%	1%	59%	1%	21%	2%	<1%	<1%	1%	<1%		<1%	<1%	<1%	1%	3%	<1%	<1%	<1%	<1%	<1%	1%	1%	<1%		<1%		<1%
Podon/Pleopsis spp.	12%	<1%	<1%	26%		22%	2%	<1%	15%	2%		3%	2%	<1%	<1%	<1%	1%	4%	<1%		<1%		1%	<1%		<1%		7%
Fritillaria spp.	<1%	1%	23%		51%	<1%	3%		<1%			<1%	2%		4%						<1%	2%	11%			<1%		<1%
Evadne spp.	4%		<1%	3%		49%	1%		6%	1%	<1%	<1%	16%		2%	<1%		6%		2%			<1%			<1%		5%
Corycaeidae	<1%	6%	2%	2%	<1%	<1%	67%		8%			1%		1%		<1%			<1%		1%	<1%	2%	5%				1%
Calanoida (ci-ciii)	14%	3%		13%	<1%	14%	10%	3%	10%				5%		6%						<1%		12%			<1%		8%
Paracalanus spp.		3%	<1%				<1%		57%			<1%					<1%	2%			4%			31%				
Gastropoda (larvae/Limacina)	2%	<1%		16%		11%			4%	46%	4%	<1%	3%					2%					3%			2%		5%
Bivalvia (larvae)				3%			1%			6%	76%		9%							2%								2%
Polychaeta (larvae)	11%	3%		9%		11%	5%	2%	6%	2%			15%	2%		2%	2%	3%	6%	5%			3%	12%		2%		2%
Hydrozoa (medusa)									4%				29%	2%		7%	2%	53%	2%								2%	
Centropages spp.		8%			2%		2%		6%				20%		2%	4%		8%		22%			18%	8%				
Echinodermata (larvae)					2%	7%			5%			2%	71%			2%		7%	2%									
Calycophorae (nectophore)					3%										5%		68%		3%	14%			5%	3%				
Decapoda-brachyura (zoeae)		9%							3%					19%		3%	34%	3%	9%		3%			16%				
Ctenophora (larvae)	3%					3%						3%	23%			3%		52%										13%
Decapoda-non brachyura (larvae)						4%							4%	4%				12%	50%					27%				
Ostracoda										8%	28%									64%								
Tortanus spp.		4%												17%		12%	8%				54%		4%					
Ascidiaecia (larvae)			9%		13%																	78%						
Oithona spp.		24%	6%		6%		12%							6%					6%				41%					
Pseudocalanus spp.																14%		14%					71%					
Calanus spp.													17%					50%					17%	17%				
Copepoda (nauplii)	25%			25%																					50%			
Euphysa spp. (medusa)														100%														
Bryozoa (larvae)																												100%

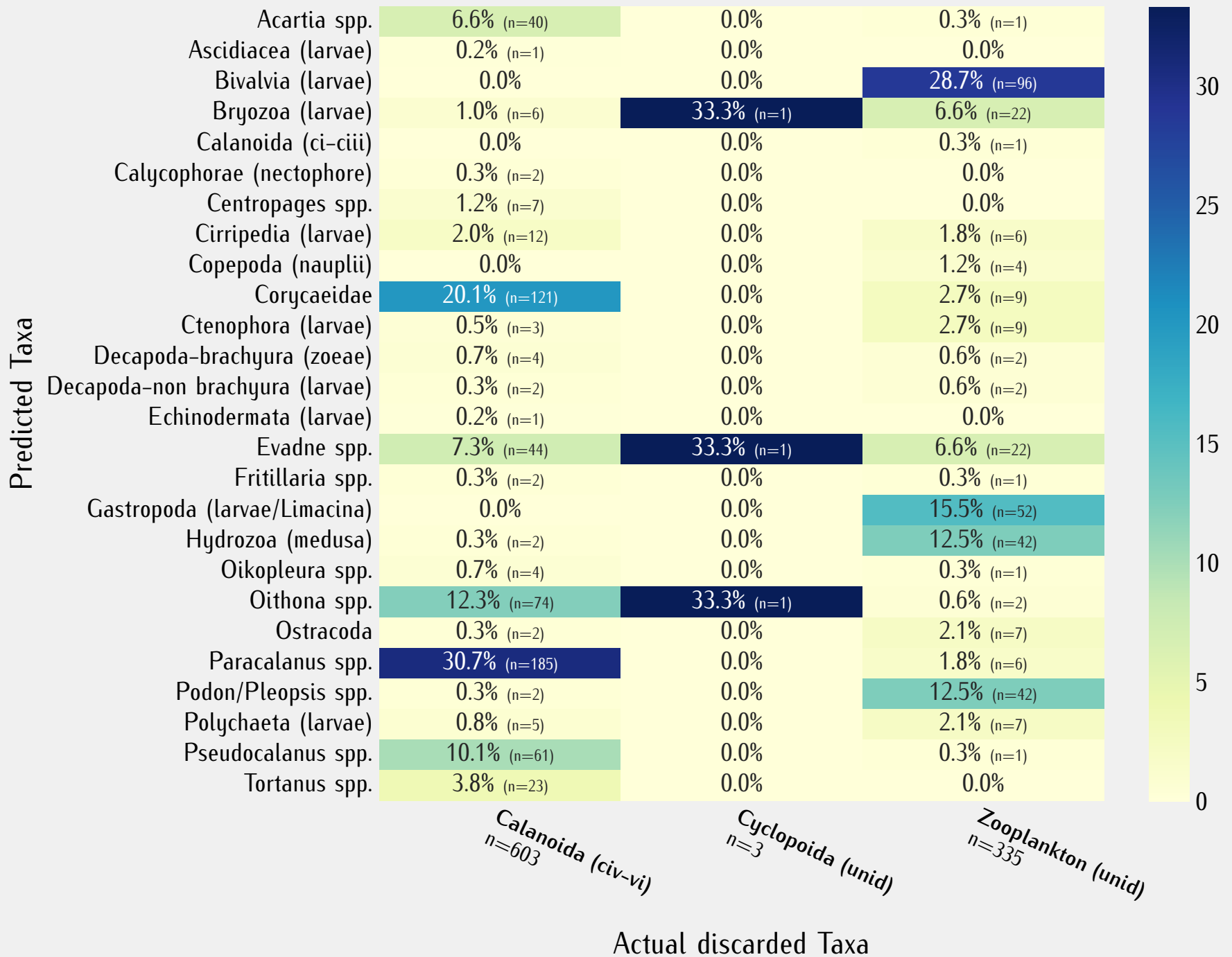
Predicted Values

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	0.18	0.29
Oikopleura spp. (n=1773-train=200)	0.88	0.59	0.71
Podon/Pleopsis spp. (n=607-train=200)	0.26	0.26	0.26
Fritillaria spp. (n=475-train=200)	0.38	0.51	0.43
Evadne spp. (n=358-train=200)	0.22	0.49	0.31
Corycaeidae (n=335-train=200)	0.28	0.67	0.39
Calanoida (ci-ciii) (n=150-train=200)	0.29	0.03	0.05
Paracalanus spp. (n=141-train=200)	0.09	0.57	0.15
Gastropoda (larvae/Limacina) (n=126-train=200)	0.39	0.46	0.42
Bivalvia (larvae) (n=96-train=200)	0.82	0.76	0.79
Polychaeta (larvae) (n=65-train=200)	0.14	0.15	0.15
Hydrozoa (medusa) (n=55-train=200)	0.08	0.29	0.12
Centropages spp. (n=50-train=200)	0.17	0.20	0.18
Echinodermata (larvae) (n=42-train=200)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=200)	0.17	0.68	0.27
Decapoda-brachyura (zoeae) (n=32-train=200)	0.10	0.34	0.15
Ctenophora (larvae) (n=31-train=42)	0.13	0.52	0.20
Decapoda-non brachyura (larvae) (n=26-train=200)	0.27	0.50	0.35
Ostracoda (n=25-train=25)	0.16	0.64	0.26
Tortanus spp. (n=24-train=200)	0.04	0.54	0.08
Ascidiaecia (larvae) (n=23-train=200)	0.36	0.78	0.49
Oithona spp. (n=17-train=200)	0.01	0.41	0.03
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
Euphysa spp. (medusa) (n=3-train=3)	0.00	0.00	0.00
Bryozoa (larvae) (n=1-train=200)	0.01	1.00	0.01
macro avg	0.25	0.45	0.25
weighted avg	0.72	0.44	0.49
	precision	recall	f1-score



# Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

