

Use of SCN features: Yes  
Max learning objects: Maximum objects/class  
Strategy N° 6

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

Confusion Matrix – In percent of Actual Value

Classification Report Matrix  
max available learning objects per class

Actual Values

Cirripedia (larvae)	70%	2%	<1%	12%	<1%	9%		<1%		1%		<1%	<1%	<1%	<1%	<1%					<1%	<1%		<1%			<1%
Acartia spp.	<1%	74%	<1%	<1%	<1%	1%	7%	1%	<1%				<1%		<1%			<1%		15%	<1%						
Oikopleura spp.	<1%	3%	66%	2%	19%	3%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	1%		<1%		<1%	<1%	<1%		<1%	<1%	<1%	<1%	<1%
Podon/Pleopsis spp.	8%	7%	<1%	45%		31%	<1%	1%	1%	1%	<1%	<1%	<1%		<1%	<1%			<1%	<1%		<1%	<1%				
Fritillaria spp.	<1%	4%	20%	<1%	64%	1%		<1%				1%		2%				<1%	5%			<1%	<1%	<1%	<1%	<1%	
Evadne spp.	5%	1%	<1%	5%		75%	<1%	<1%	<1%	3%	<1%	<1%	6%		<1%				<1%			<1%	<1%				
Corycaeidae	<1%	44%	<1%	2%	<1%	1%	43%	1%	<1%				<1%		<1%		<1%		2%	2%			<1%				
Calanoida (ci-ciii)	9%	12%	<1%	13%	<1%	21%	9%	15%	1%			<1%		3%					11%			2%			2%		
Paracalanus spp.	<1%	30%		2%	<1%	2%		4%	34%											26%							
Gastropoda (larvae/Limacina)	2%	4%		17%		13%		2%		53%	6%	<1%	<1%						2%			<1%					
Bivalvia (larvae)				5%			1%			4%	81%		4%									2%				2%	
Polychaeta (larvae)	17%	14%		11%		17%		2%		3%		26%					5%			5%		2%					
Hydrozoa (medusa)		5%				5%		2%				7%	69%		7%		4%										
Centropages spp.		48%	2%		4%									20%			4%		6%		10%	6%					
Echinodermata (larvae)				2%	12%							2%	79%		2%		2%										
Calycophorae (nectophore)		8%										3%	3%	3%	76%		8%										
Decapoda-brachyura (zoeae)		28%				3%		3%						6%	6%	47%	6%										
Ctenophora (larvae)	3%			6%		19%				6%		16%	39%		3%		3%							3%			
Decapoda-non brachyura (larvae)	4%					4%	4%							4%		8%	69%				8%						
Ostracoda	8%			12%		36%	4%				28%							4%								8%	
Tortanus spp.	4%	33%												25%	17%	4%	4%		12%								
Ascidiaacea (larvae)			26%		17%														57%								
Oithona spp.		53%			12%								6%							29%							
Pseudocalanus spp.		43%																			57%						
Calanus spp.													17%				17%				67%						
Copepoda (nauplii)									25%													75%					
Euphysa spp. (medusa)															100%												
Bryozoa (larvae)	100%																										
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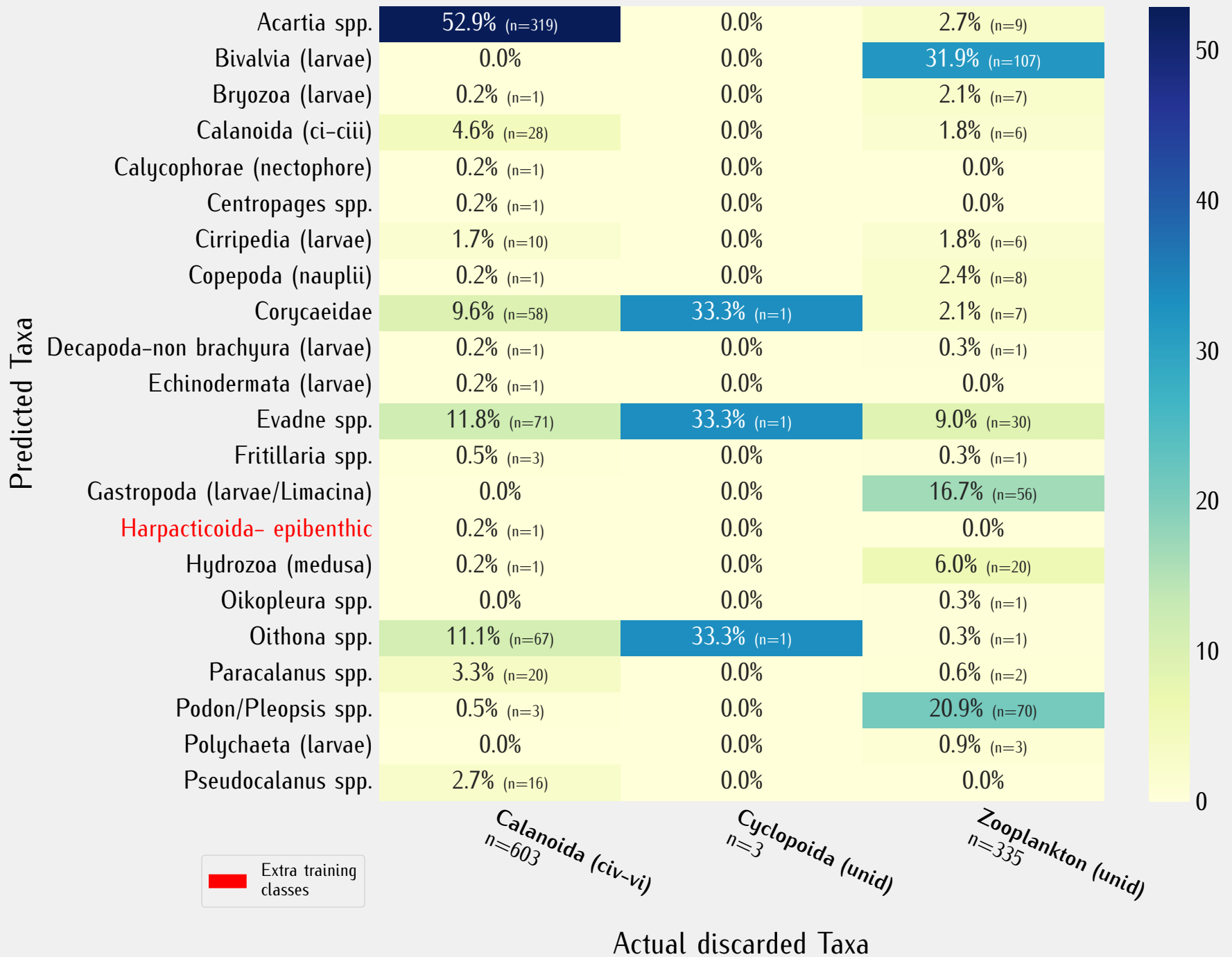
Predicted Values

Extra  
training  
classes

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=7685)	0.94	0.70	0.80
Acartia spp. (n=2290-train=111319)	0.78	0.74	0.76
Oikopleura spp. (n=1773-train=5305)	0.91	0.66	0.76
Podon/Pleopsis spp. (n=607-train=7347)	0.35	0.45	0.39
Fritillaria spp. (n=475-train=6992)	0.45	0.64	0.53
Evadne spp. (n=358-train=11064)	0.29	0.75	0.42
Corycaeidae (n=335-train=1760)	0.44	0.43	0.44
Calanoida (ci-ciüi) (n=150-train=5557)	0.22	0.15	0.18
Paracalanus spp. (n=141-train=1619)	0.55	0.34	0.42
Gastropoda (larvae/Limacina) (n=126-train=3272)	0.48	0.53	0.50
Bivalvia (larvae) (n=96-train=3764)	0.82	0.81	0.82
Polychaeta (larvae) (n=65-train=1577)	0.35	0.26	0.30
Hydrozoa (medusa) (n=55-train=4052)	0.25	0.69	0.36
Centropages spp. (n=50-train=3620)	0.36	0.20	0.26
Echinodermata (larvae) (n=42-train=3043)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=966)	0.28	0.76	0.41
Decapoda-brachyura (zoeae) (n=32-train=628)	0.42	0.47	0.44
Ctenophora (larvae) (n=31-train=42)	1.00	0.03	0.06
Decapoda-non brachyura (larvae) (n=26-train=423)	0.51	0.69	0.59
Ostracoda (n=25-train=25)	1.00	0.04	0.08
Tortanus spp. (n=24-train=203)	0.43	0.12	0.19
Ascidiaacea (larvae) (n=23-train=861)	0.76	0.57	0.65
Oithona spp. (n=17-train=5881)	0.01	0.29	0.02
Pseudocalanus spp. (n=7-train=4845)	0.06	0.57	0.11
Calanus spp. (n=6-train=359)	0.00	0.00	0.00
Copepoda (nauplii) (n=4-train=11555)	0.06	0.75	0.12
Euphysa spp. (medusa) (n=3-train=3)	0.00	0.00	0.00
Bryozoa (larvae) (n=1-train=1142)	0.00	0.00	0.00
Harpacticoida- epibenthic (n=0-train=555)	-	-	-
Platyhelminthes/Nemertea (larvae) (n=0-train=183)	-	-	-
macro avg (corr)	0.42	0.42	0.34
weighted avg	0.75	0.64	0.68
	precision	recall	f1-score



# Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

