

Use of SCN features: No
Max learning objects: 20000 objects/class
Strategy N° 1

PA Selected Samples prediction using PA 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

Classification Report Matrix
max 20000 learning objects per class

Actual Values

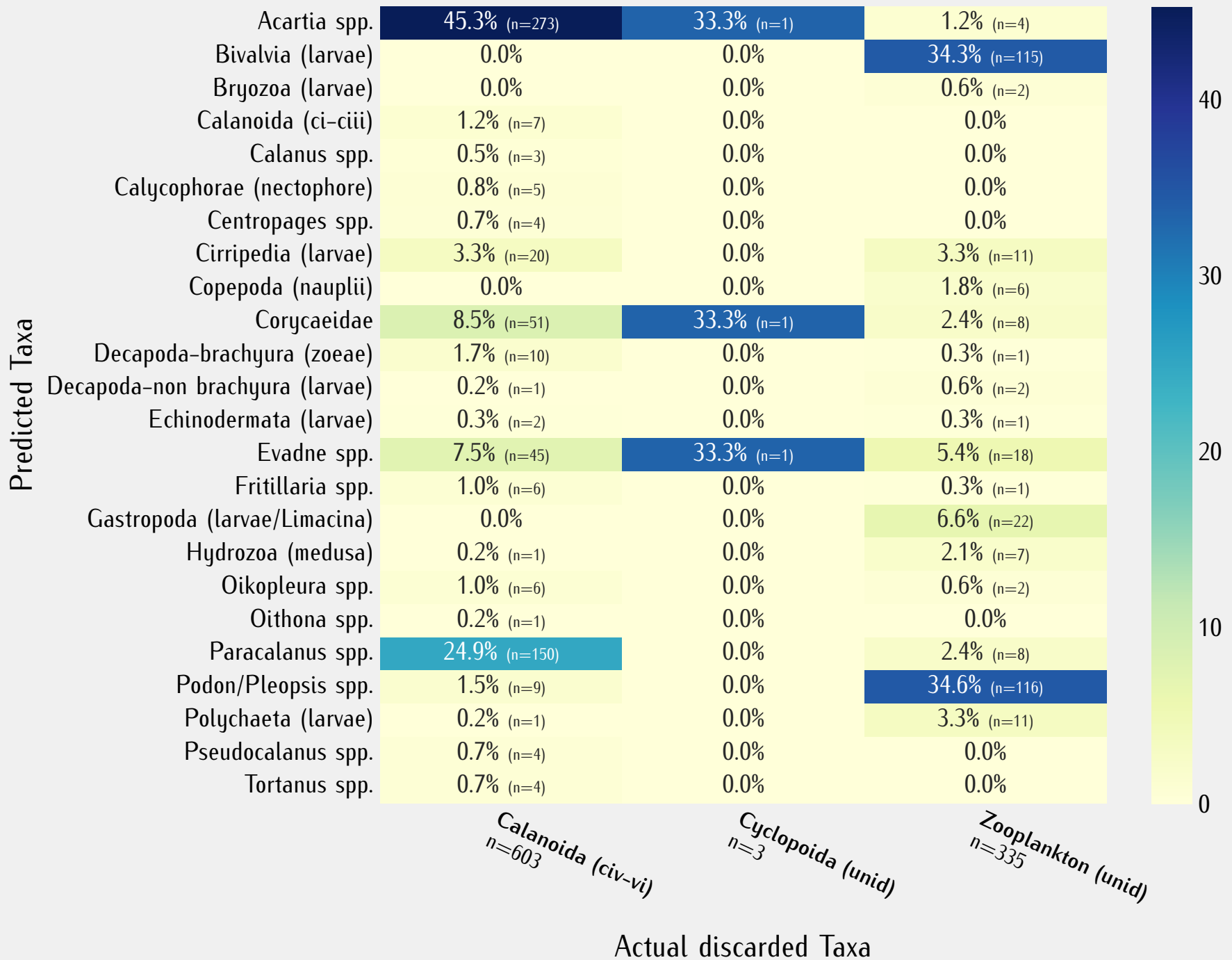
Cirripedia (larvae)	78%	1%	<1%	12%	<1%	1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%		1%	1%	1%			<1%				<1%		<1%		
Acartia spp.	<1%	79%	<1%	<1%	<1%	<1%	6%	1%	8%			<1%		<1%	<1%	<1%	<1%			<1%	<1%		<1%	<1%				
Oikopleura spp.	2%	2%	82%	3%	2%	2%	<1%	<1%	1%			<1%	<1%	<1%	<1%	2%	3%	<1%	<1%	<1%				<1%		<1%		
Podon/Pleopsis spp.	10%	1%	<1%	54%		10%	1%	3%	10%			2%	3%			<1%	1%						<1%		2%			
Fritillaria spp.	<1%	5%	45%	<1%	41%	2%	<1%		<1%			<1%	<1%		4%						<1%	<1%						
Evadne spp.	7%	1%	<1%	10%		69%	1%	<1%	4%			<1%	<1%	4%		<1%	<1%		<1%					<1%				
Corycaeidae	<1%	13%	2%	1%		<1%	71%	<1%	5%			<1%		<1%		<1%	<1%		<1%		<1%		<1%					
Calanoida (ci-ciii)	15%	16%	<1%	15%		5%	10%	13%	8%			3%			9%									3%		<1%		
Paracalanus spp.	<1%	8%	<1%	2%		2%	<1%		79%			<1%					<1%						4%	1%				
Gastropoda (larvae/Limacina)	6%	4%		36%		6%		2%	3%	31%	8%	2%	<1%		<1%									2%				
Bivalvia (larvae)				11%		1%	1%			5%	80%													1%				
Polychaeta (larvae)	23%	5%		17%		5%	3%	2%	3%			26%	2%			3%	3%	2%	5%					2%		2%		
Hydrozoa (medusa)			2%	2%		4%			5%			2%	80%			4%	2%											
Centropages spp.		24%	4%				2%					2%		18%			16%		16%		14%		4%					
Echinodermata (larvae)	2%			14%	5%	48%			2%				12%			10%		5%						2%				
Calycophorae (nectophore)												3%	8%			78%	8%		3%									
Decapoda-brachyura (zoeae)	3%	6%							6%				3%			6%	59%		12%				3%					
Ctenophora (larvae)	3%			13%		13%						10%	52%			3%		3%						3%				
Decapoda-non brachyura (larvae)		4%		4%		4%							4%				8%	4%	73%									
Ostracoda				32%		36%					20%	4%							8%									
Tortanus spp.	4%	8%												12%		21%	25%				29%							
Ascidacea (larvae)			52%																			48%						
Oithona spp.		53%	12%		12%		6%							6%					6%			6%						
Pseudocalanus spp.									14%					14%			14%		14%				43%					
Calanus spp.													17%				33%		33%					17%				
Copepoda (nauplii)				50%				25%																25%				
Euphysa spp. (medusa)													33%			67%												
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 (larvae)	Decapoda-brachyura (zoeae)	Ctenophora (larvae)	Decapoda-non brachyura (larvae)	Ostracoda	Tortanus spp.	Ascidacea (larvae)	Oithona spp.	Pseudocalanus spp.	Calanus spp.	Copepoda (nauplii)	Euphysa spp. (medusa)	Bryozoa (larvae)

Predicted Values

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=6358)	0.93	0.78	0.85
Acartia spp. (n=2290-train=4410)	0.89	0.79	0.83
Oikopleura spp. (n=1773-train=4507)	0.84	0.82	0.83
Podon/Pleopsis spp. (n=607-train=3605)	0.35	0.54	0.43
Fritillaria spp. (n=475-train=844)	0.80	0.41	0.54
Evadne spp. (n=358-train=981)	0.53	0.69	0.60
Corycaeidae (n=335-train=1760)	0.57	0.71	0.63
Calanoida (ci-ciü) (n=150-train=313)	0.26	0.13	0.18
Paracalanus spp. (n=141-train=1525)	0.24	0.79	0.37
Gastropoda (larvae/Limacina) (n=126-train=291)	0.66	0.31	0.42
Bivalvia (larvae) (n=96-train=119)	0.75	0.80	0.78
Polychaeta (larvae) (n=65-train=661)	0.25	0.26	0.25
Hydrozoa (medusa) (n=55-train=301)	0.34	0.80	0.48
Centropages spp. (n=50-train=119)	0.25	0.18	0.21
Echinodermata (larvae) (n=42-train=2649)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=966)	0.20	0.78	0.32
Decapoda-brachyura (zoeae) (n=32-train=343)	0.17	0.59	0.27
Ctenophora (larvae) (n=31-train=29)	0.14	0.03	0.05
Decapoda-non brachyura (larvae) (n=26-train=219)	0.43	0.73	0.54
Ostracoda (n=25-train=18)	0.13	0.08	0.10
Tortanus spp. (n=24-train=88)	0.24	0.29	0.26
Ascidiaece (larvae) (n=23-train=54)	0.69	0.48	0.56
Oithona spp. (n=17-train=44)	0.06	0.06	0.06
Pseudocalanus spp. (n=7-train=65)	0.14	0.43	0.21
Calanus spp. (n=6-train=37)	0.33	0.17	0.22
Copepoda (nauplii) (n=4-train=233)	0.02	0.25	0.03
Euphysa spp. (medusa) (n=3-train=3)	0.00	0.00	0.00
Bryozoa (larvae) (n=1-train=50)	0.00	0.00	0.00
macro avg	0.36	0.43	0.36
weighted avg	0.78	0.72	0.73
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

