

Use of SCN features: No
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 (ci-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

Classification Report Matrix
max 200 learning objects per class

Actual Values

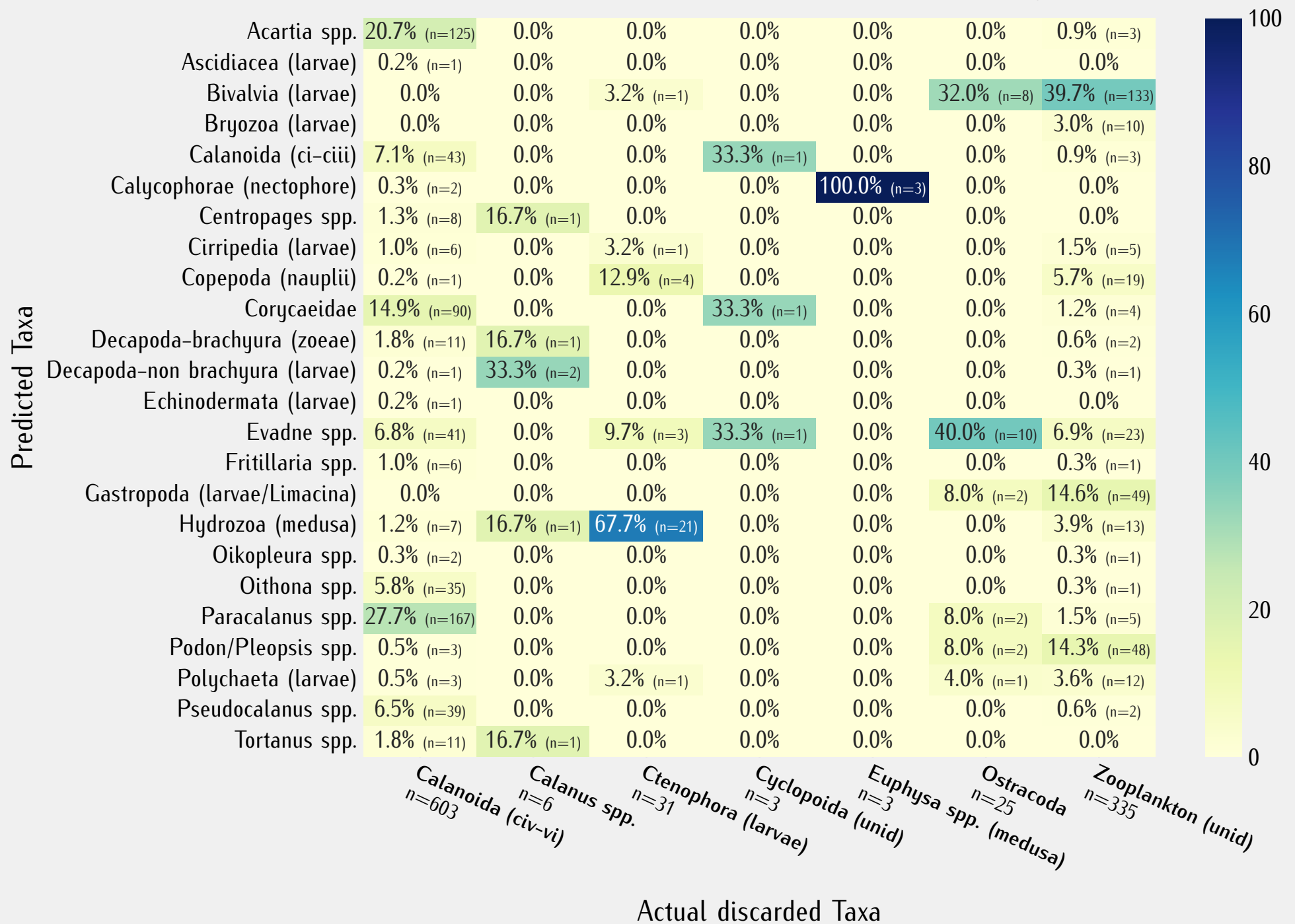
Cirripedia (larvae)	57%	3%	<1%	8%	<1%	3%		5%	2%	3%	<1%	<1%	1%	<1%	2%	1%	4%		3%		<1%	<1%	5%	<1%
Acartia spp.	<1%	45%	<1%		<1%	<1%	17%	4%	13%			<1%	<1%	2%		<1%	<1%		2%		9%	5%	<1%	
Oikopleura spp.	1%	1%	63%	<1%	11%	1%	<1%	1%	1%	<1%	<1%	<1%	<1%	<1%	3%	4%	<1%	<1%	<1%	5%	<1%	<1%	1%	<1%
Podon/Pleopsis spp.	6%	<1%	<1%	18%		13%	<1%	16%	10%	1%	<1%	5%	10%			<1%	2%				<1%	<1%	14%	<1%
Fritillaria spp.	<1%	3%	25%		54%	2%	1%	<1%	<1%			<1%	<1%		7%	<1%				3%	3%			<1%
Evadne spp.	6%	2%	<1%	6%		65%	<1%	<1%	6%	<1%	2%		7%		1%	<1%	<1%						1%	1%
Corycaeidae	<1%	8%	2%	<1%		<1%	65%	2%	7%			2%		1%		<1%	<1%		1%		1%	5%	<1%	
Calanoida (ci-ciui)	9%	5%		7%	2%	8%	8%	31%	5%			6%	<1%		9%					3%		7%	1%	
Paracalanus spp.		4%				<1%	2%		58%			<1%	2%	<1%			1%		4%			27%		
Gastropoda (larvae/Limacina)	<1%	2%		9%	2%	7%		2%	3%	48%	7%	<1%	2%				<1%				2%		9%	5%
Bivalvia (larvae)				1%		1%		1%		9%	83%												2%	2%
Polychaeta (larvae)	17%	5%		9%		2%	3%	5%	6%		2%	12%	6%		2%	5%	6%	2%				9%	8%	3%
Hydrozoa (medusa)						5%			2%			2%	82%			4%	2%	2%					2%	
Centropages spp.		10%	2%						2%					26%		2%	6%	18%	22%			12%		
Echinodermata (larvae)				5%	2%	55%			2%			5%	19%			5%	2%						2%	2%
Calycophorae (nectophore)					3%								8%			68%	5%	8%	5%			3%		
Decapoda-brachyura (zoeae)									3%				3%	6%		3%	47%	16%	19%			3%		
Decapoda-non brachyura (larvae)					4%	4%							12%				4%	77%						
Tortanus spp.		8%												12%		12%	17%	4%	46%					
Ascidiaacea (larvae)			13%																	87%				
Oithona spp.		35%	6%		12%		6%						12%				6%				24%			
Pseudocalanus spp.													14%				14%	14%				57%		
Copepoda (nauplii)				25%				25%															50%	
Bryozoa (larvae)	100%																							

Predicted Values

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=200)	0.94	0.57	0.71
Acartia spp. (n=2290-train=200)	0.85	0.45	0.59
Oikopleura spp. (n=1773-train=200)	0.88	0.63	0.73
Podon/Pleopsis spp. (n=607-train=200)	0.25	0.18	0.21
Fritillaria spp. (n=475-train=200)	0.52	0.54	0.53
Evadne spp. (n=358-train=200)	0.45	0.65	0.53
Corycaeidae (n=335-train=200)	0.33	0.65	0.44
Calanoida (ci-ciii) (n=150-train=200)	0.10	0.31	0.15
Paracalanus spp. (n=141-train=200)	0.14	0.58	0.23
Gastropoda (larvae/Limacina) (n=126-train=200)	0.35	0.48	0.41
Bivalvia (larvae) (n=96-train=119)	0.66	0.83	0.74
Polychaeta (larvae) (n=65-train=200)	0.09	0.12	0.10
Hydrozoa (medusa) (n=55-train=200)	0.21	0.82	0.34
Centropages spp. (n=50-train=119)	0.15	0.26	0.19
Echinodermata (larvae) (n=42-train=200)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=200)	0.16	0.68	0.25
Decapoda-brachyura (zoeae) (n=32-train=200)	0.08	0.47	0.14
Decapoda-non brachyura (larvae) (n=26-train=200)	0.33	0.77	0.46
Tortanus spp. (n=24-train=88)	0.05	0.46	0.10
Ascidiaacea (larvae) (n=23-train=54)	0.16	0.87	0.27
Oithona spp. (n=17-train=44)	0.02	0.24	0.03
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	0.48	0.30
weighted avg	0.74	0.53	0.59
	precision	recall	f1-score



Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

