

Use of SCN features: Yes
Max learning objects: Maximum 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

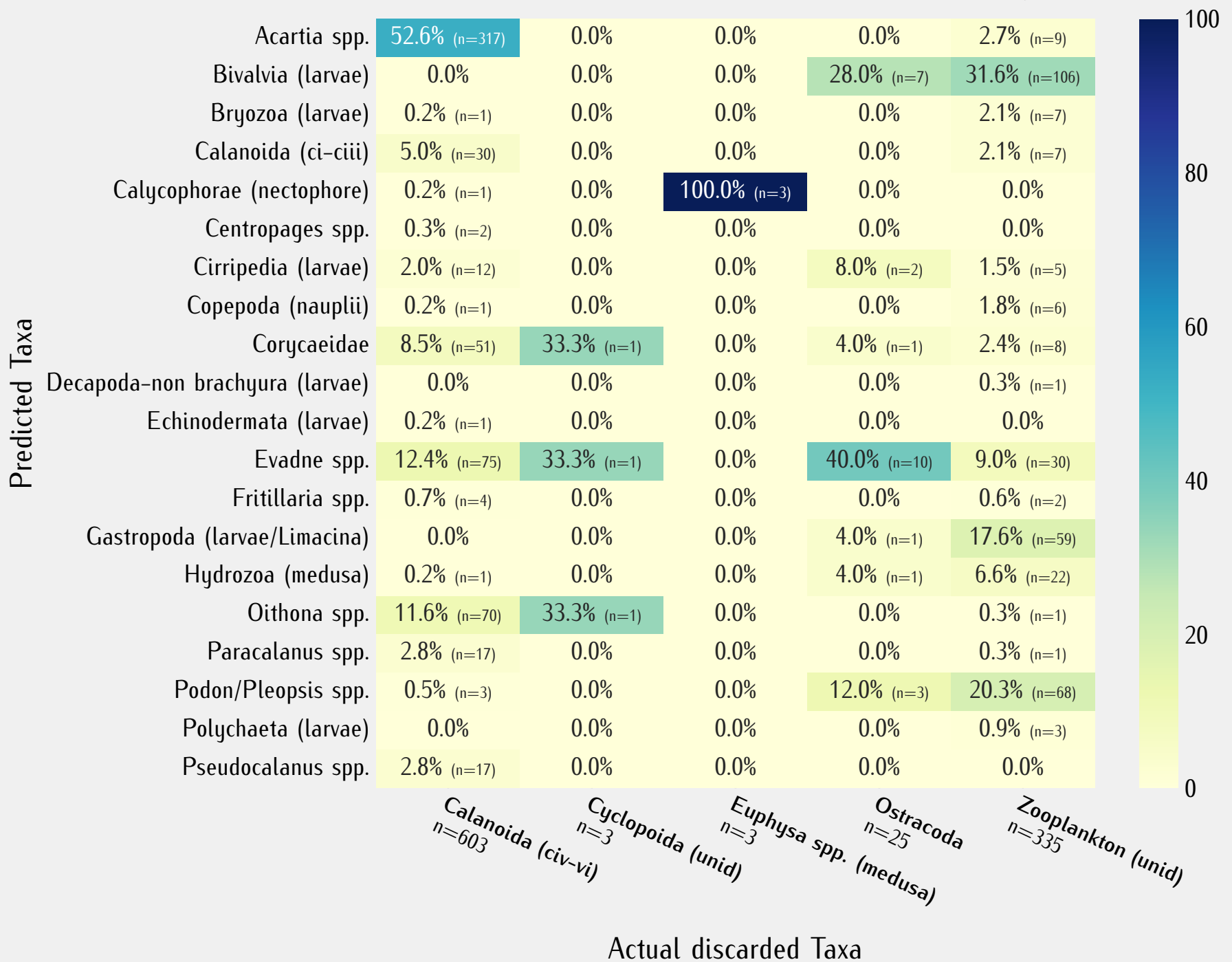
Confusion Matrix – In percent of Actual Value

Actual Values																										
	Cirripedia (larvae)	Acartia spp.	Oikopleura spp.	Podon/Pleopsis spp.	Fritillaria spp.	Evadne spp.	Corycaeidae	Calanoida (ci-ciui)	Paracalanus spp.	Gastropoda (larvae/Limacina)	Bivalvia (larvae)	Polychaeta (larvae)	Hydrozoa (medusa)	Centropages spp.	Echinodermata (larvae)	Calycophorae (nectophore)	Decapoda-brachyura (zoeae)	Ctenophora (larvae)	Decapoda-non brachyura (larvae)	Tortanus spp.	Ascidiaacea (larvae)	Oithona spp.	Pseudocalanus spp.	Calanus spp.	Copepoda (nauplii)	Bryozoa (larvae)
	70%	2%	<1%	12%	<1%	9%		<1%	1%		<1%	<1%	<1%	<1%	<1%					<1%	<1%		<1%	<1%		
		74%	<1%	<1%	<1%	1%	6%	1%	1%				<1%	<1%						<1%						
		<1%	3%	66%	2%	18%	3%	<1%	1%	<1%		<1%	<1%	<1%	2%				<1%	<1%	<1%	<1%		<1%	<1%	
		8%	7%	<1%	45%		31%	<1%	1%	1%	1%	<1%	1%		<1%	<1%				<1%	<1%		<1%			
			4%	21%		63%	2%	<1%	<1%				2%		2%					<1%	5%		<1%	<1%		
		5%	1%	<1%	5%		74%	<1%	2%	<1%	3%	<1%	<1%	6%			<1%				<1%			<1%	<1%	
		<1%	44%	<1%	1%	<1%	1%	42%	1%	1%						<1%		<1%		<1%				2%	2%	<1%
		11%	13%	<1%	11%	<1%	17%	12%	16%	<1%					2%			3%						11%		2%
		<1%	27%		2%	<1%	1%		4%	35%														28%		
		2%	3%		18%		13%		2%	<1%	52%	5%	<1%	<1%										2%		2%
				5%		1%	1%			4%	82%		4%												2%	
		18%	12%		11%		17%	2%	2%		3%			25%										5%		2%
			4%			7%							9%	67%			7%			2%			2%	2%		
			46%	2%		4%									26%					6%	4%		10%	2%		
					2%	7%							5%	81%			5%									
			8%										3%	3%	3%		73%			11%						
		3%	25%				3%		3%						6%		6%	50%		3%						
		3%			6%		23%				6%		26%	26%			3%		3%							3%
				4%		4%							4%		4%				4%					8%		
		4%	38%	4%									12%		17%					4%	21%					
				22%		17%																	61%			
			53%			12%							6%										29%			
			29%																					71%		
													17%										50%	17%		
					25%																				75%	
	100%																									

Classification Report Matrix
max available learning objects per class

	precision	recall	f1-score
Cirripedia (larvae) (n=3231-train=7685)	0.94	0.70	0.81
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	0.40
Fritillaria spp. (n=475-train=6992)	0.45	0.63	0.53
Evadne spp. (n=358-train=11064)	0.29	0.74	0.42
Corycaeidae (n=335-train=1760)	0.46	0.42	0.44
Calanoida (ci-ciii) (n=150-train=5557)	0.22	0.16	0.18
Paracalanus spp. (n=141-train=1619)	0.52	0.35	0.42
Gastropoda (larvae/Limacina) (n=126-train=3272)	0.47	0.52	0.49
Bivalvia (larvae) (n=96-train=3764)	0.90	0.82	0.86
Polychaeta (larvae) (n=65-train=1577)	0.27	0.25	0.26
Hydrozoa (medusa) (n=55-train=4052)	0.25	0.67	0.36
Centropages spp. (n=50-train=3620)	0.45	0.26	0.33
Echinodermata (larvae) (n=42-train=3043)	0.00	0.00	0.00
Calycophorae (nectophore) (n=37-train=966)	0.28	0.73	0.40
Decapoda-brachyura (zoeae) (n=32-train=628)	0.50	0.50	0.50
Ctenophora (larvae) (n=31-train=42)	1.00	0.03	0.06
Decapoda-non brachyura (larvae) (n=26-train=423)	0.55	0.69	0.61
Tortanus spp. (n=24-train=203)	0.56	0.21	0.30
Ascidiaacea (larvae) (n=23-train=861)	0.78	0.61	0.68
Oithona spp. (n=17-train=5881)	0.01	0.29	0.02
Pseudocalanus spp. (n=7-train=4845)	0.07	0.71	0.12
Calanus spp. (n=6-train=359)	0.25	0.17	0.20
Copepoda (nauplii) (n=4-train=11555)	0.06	0.75	0.11
Bryozoa (larvae) (n=1-train=1142)	0.00	0.00	0.00
macro avg	0.43	0.46	0.39
weighted avg	0.75	0.65	0.68
	precision	recall	f1-score

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

