

Use of SCN features: Yes
Max learning objects: 5000 objects/class
Strategy N° 6

Gulf Selected Samples prediction using all regions training set,
Learning with all classes present in the selected samples, with extra regional training categories,
No Calanoida, Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

Classification Report Matrix
max 5000 learning objects per class

Actual Values

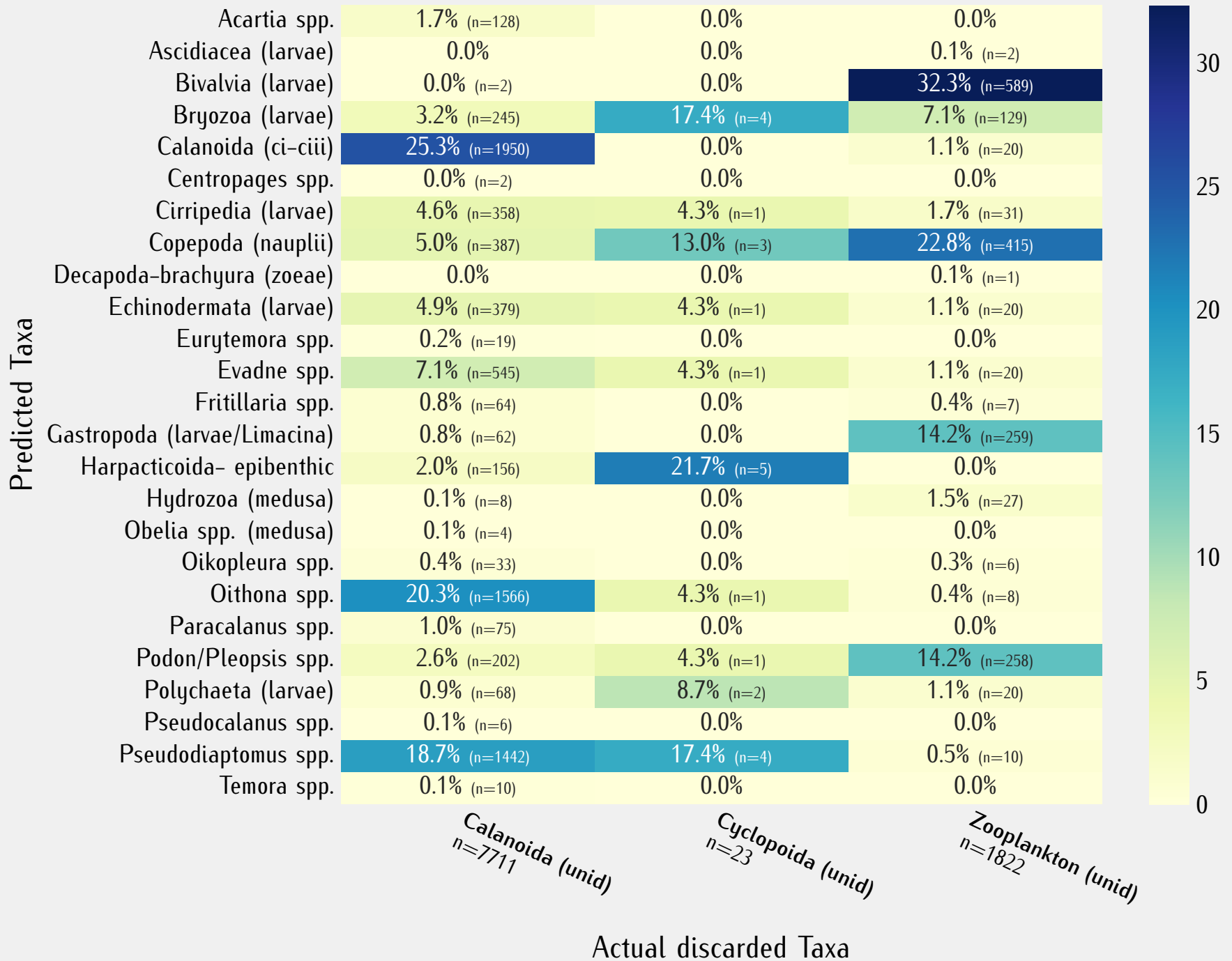
Acartia spp.	36%		<1%	<1%	33%	7%	4%	<1%		1%	<1%	<1%	<1%	<1%	2%	<1%	<1%	2%	<1%		<1%		<1%			6%		5%				
Bivalvia (larvae)		93%	<1%	<1%	<1%	<1%	<1%	4%		<1%	<1%	<1%	<1%		<1%		<1%	<1%				<1%	<1%									
Copepoda (nauplii)		2%	93%	<1%	<1%	<1%	<1%		<1%	1%	<1%				2%				1%			<1%	<1%									
Podon/Pleopsis spp.		4%	15%	63%	<1%	<1%	<1%	1%	11%	<1%	3%	<1%				<1%	<1%	1%			<1%		<1%		<1%		<1%		<1%			
Oithona spp.	<1%		<1%	<1%	82%	3%	5%			<1%	<1%		3%		2%		<1%	1%			<1%	<1%										
Calanoida (ci-ciii)	<1%		3%	4%	17%	30%	15%		<1%		3%	1%		4%		3%		11%	6%			1%	<1%			<1%						
Pseudodiaptomus spp.	1%		2%	<1%	20%	4%	59%		<1%		1%	<1%		1%	<1%	1%		2%	4%		<1%					2%		<1%				
Hydrozoa (medusa)	<1%	2%	<1%	6%	<1%	<1%		70%	6%	<1%	<1%	<1%			<1%	1%	6%	<1%		<1%		1%			<1%	1%		<1%				
Gastropoda (larvae/Limacina)			14%	7%	10%	<1%	<1%	<1%	1%	66%		<1%	<1%					<1%	<1%													
Temora spp.	1%		2%	<1%	4%	6%	20%		<1%	23%	<1%	2%		<1%	4%	<1%		9%	5%		12%					7%		2%				
Bryozoa (larvae)		<1%	25%	18%	<1%	<1%			9%		44%	2%							<1%					<1%								
Polychaeta (larvae)	<1%		22%	8%	<1%	<1%	3%		1%	<1%	<1%	38%			3%		4%	14%				<1%		<1%	<1%	<1%						
Ascidacea (larvae)	<1%				3%		<1%					2%	92%									<1%	<1%	1%								
Harpacticoida- epibenthic	2%		5%		37%	8%	10%				2%	<1%			22%		3%		<1%	<1%		2%			2%			3%		2%		
Centropages spp.	23%				41%	5%				9%					14%												7%		2%			
Echinodermata (larvae)			8%	14%			3%									30%		19%	27%													
Obelia spp. (medusa)				5%	19%		5%	10%									24%	14%	14%				5%				5%					
Evadne spp.					6%			6%											69%	19%												
Cirripedia (larvae)			44%						6%		6%	6%				6%			31%													
Chaetognatha					8%																	15%	77%									
Pseudocalanus spp.	29%						14%			29%												29%										
Cnidaria (larvae)			29%	14%		14%												29%				14%										
Decapoda-non brachyura (larvae)																						100%										
Fritillaria spp.																								67%	33%							
Oikopleura spp.																								100%								
Monstrillidae															50%									50%								
Decapoda-brachyura (zoeae)																														100%		
Osteichthyes (larvae)																									100%							
Ostracoda											100%																					
Paracalanus spp.																														100%		
Microsetella spp.																			100%													
Eurytemora spp.																						100%										

Predicted Values

Extra
training
classes

	precision	recall	f1-score
Acartia spp. (n=18062-train=5000)	0.99	0.36	0.53
Bivalvia (larvae) (n=7955-train=3764)	0.97	0.93	0.95
Copepoda (nauplii) (n=2753-train=5000)	0.77	0.93	0.84
Podon/Pleopsis spp. (n=2715-train=5000)	0.84	0.63	0.72
Oithona spp. (n=2572-train=5000)	0.25	0.82	0.38
Calanoida (ci-ciii) (n=1348-train=5000)	0.22	0.30	0.25
Pseudodiaptomus spp. (n=1059-train=2113)	0.35	0.59	0.44
Hydrozoa (medusa) (n=671-train=4052)	0.87	0.70	0.78
Gastropoda (larvae/Limacina) (n=629-train=3272)	0.38	0.66	0.48
Temora spp. (n=308-train=5000)	0.26	0.23	0.24
Bryozoa (larvae) (n=247-train=1142)	0.33	0.44	0.37
Polychaeta (larvae) (n=237-train=1577)	0.54	0.38	0.45
Ascidacea (larvae) (n=194-train=861)	0.96	0.92	0.94
Harpacticoida- epibenthic (n=108-train=555)	0.08	0.22	0.12
Centropages spp. (n=44-train=3620)	0.02	0.14	0.03
Echinodermata (larvae) (n=37-train=3043)	0.04	0.30	0.06
Obelia spp. (medusa) (n=21-train=1003)	0.16	0.24	0.19
Evadne spp. (n=16-train=5000)	0.02	0.69	0.03
Cirripedia (larvae) (n=16-train=5000)	0.01	0.31	0.02
Chaetognatha (n=13-train=89)	0.00	0.00	0.00
Pseudocalanus spp. (n=7-train=4845)	0.01	0.29	0.02
Cnidaria (larvae) (n=7-train=25)	1.00	0.14	0.25
Decapoda-non brachyura (larvae) (n=4-train=423)	0.40	1.00	0.57
Fritillaria spp. (n=3-train=5000)	0.02	0.67	0.03
Oikopleura spp. (n=2-train=5000)	0.00	0.00	0.00
Monstrillidae (n=2-train=27)	0.00	0.00	0.00
Decapoda-brachyura (zoeae) (n=1-train=628)	0.00	0.00	0.00
Osteichthyes (larvae) (n=1-train=45)	0.00	0.00	0.00
Ostracoda (n=1-train=25)	0.00	0.00	

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

