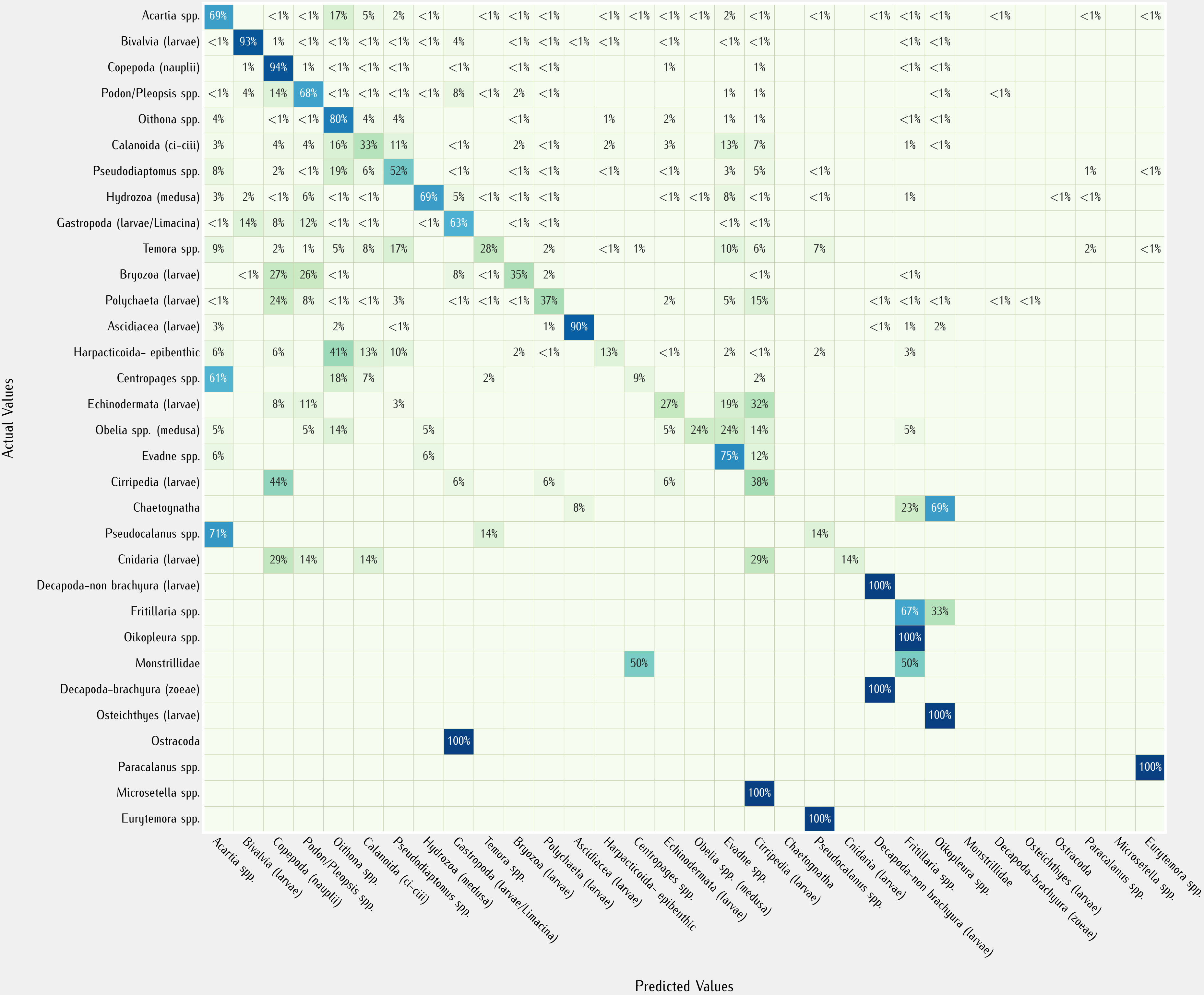


Use of SCN features: Yes  
Max learning objects: Maximum objects/class  
Strategy N° 5

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

Confusion Matrix – In percent of Actual Value



Classification Report Matrix  
max available learning objects per class

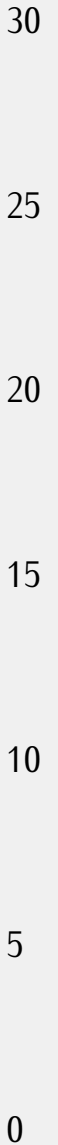
	precision	recall	f1-score
Acartia spp. (n=18062-train=111319)	0.97	0.69	0.81
Bivalvia (larvae) (n=7955-train=3764)	0.97	0.93	0.95
Copepoda (nauplii) (n=2753-train=11555)	0.76	0.94	0.84
Podon/Pleopsis spp. (n=2715-train=7347)	0.82	0.68	0.74
Oithona spp. (n=2572-train=5881)	0.37	0.80	0.50
Calanoida (ci-ciii) (n=1348-train=5557)	0.27	0.33	0.30
Pseudodiaptomus spp. (n=1059-train=2113)	0.43	0.52	0.47
Hydrozoa (medusa) (n=671-train=4052)	0.89	0.69	0.78
Gastropoda (larvae/Limacina) (n=629-train=3272)	0.41	0.63	0.50
Temora spp. (n=308-train=7347)	0.47	0.28	0.35
Bryozoa (larvae) (n=247-train=1142)	0.38	0.35	0.36
Polychaeta (larvae) (n=237-train=1577)	0.62	0.37	0.47
Ascidacea (larvae) (n=194-train=861)	0.99	0.90	0.94
Harpacticoida- epibenthic (n=108-train=555)	0.11	0.13	0.12
Centropages spp. (n=44-train=3620)	0.06	0.09	0.07
Echinodermata (larvae) (n=37-train=3043)	0.04	0.27	0.07
Obelia spp. (medusa) (n=21-train=1003)	0.50	0.24	0.32
Evadne spp. (n=16-train=11064)	0.01	0.75	0.03
Cirripedia (larvae) (n=16-train=7685)	0.01	0.38	0.02
Chaetognatha (n=13-train=89)	0.00	0.00	0.00
Pseudocalanus spp. (n=7-train=4845)	0.02	0.14	0.03
Cnidaria (larvae) (n=7-train=25)	1.00	0.14	0.25
Decapoda-non brachyura (larvae) (n=4-train=423)	0.50	1.00	0.67
Fritillaria spp. (n=3-train=6992)	0.02	0.67	0.03
Oikopleura spp. (n=2-train=5305)	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	0.00
Paracalanus spp. (n=1-train=1619)	0.00	0.00	0.00
Microsetella spp. (n=1-train=4)	0.00	0.00	0.00
Eurytemora spp. (n=1-train=1818)	0.00	0.00	0.00
macro avg	0.33	0.37	0.30
weighted avg	0.84	0.74	0.77
	precision	recall	f1-score

# Predictions of discarded taxa from training

Predicted Taxa

Acartia spp.	9.2% (n=712)	0.0%	0.0%
Ascidacea (larvae)	0.0%	0.0%	0.1% (n=1)
Bivalvia (larvae)	0.0% (n=2)	0.0%	31.0% (n=565)
Bryozoa (larvae)	2.0% (n=151)	13.0% (n=3)	4.6% (n=84)
Calanoida (ci-ciii)	27.3% (n=2104)	0.0%	1.2% (n=21)
Cirripedia (larvae)	5.1% (n=397)	4.3% (n=1)	1.9% (n=35)
Copepoda (nauplii)	5.6% (n=429)	13.0% (n=3)	26.3% (n=479)
Echinodermata (larvae)	4.0% (n=308)	4.3% (n=1)	0.9% (n=17)
Evadne spp.	8.5% (n=656)	4.3% (n=1)	1.5% (n=28)
Fritillaria spp.	1.0% (n=80)	4.3% (n=1)	0.4% (n=7)
Gastropoda (larvae/Limacina)	0.6% (n=49)	0.0%	12.2% (n=223)
Harpacticoida- epibenthic	0.9% (n=73)	17.4% (n=4)	0.0%
Hydrozoa (medusa)	0.1% (n=4)	0.0%	1.5% (n=28)
Obelia spp. (medusa)	0.0% (n=1)	0.0%	0.0%
Oikopleura spp.	0.3% (n=20)	0.0%	0.4% (n=8)
Oithona spp.	16.4% (n=1267)	4.3% (n=1)	0.4% (n=8)
Paracalanus spp.	0.2% (n=19)	0.0%	0.0%
Podon/Pleopsis spp.	3.0% (n=230)	4.3% (n=1)	15.9% (n=290)
Polychaeta (larvae)	0.8% (n=59)	0.0%	1.0% (n=18)
Pseudocalanus spp.	0.1% (n=5)	0.0%	0.0%
Pseudodiaptomus spp.	14.8% (n=1138)	30.4% (n=7)	0.5% (n=9)
Temora spp.	0.1% (n=7)	0.0%	0.1% (n=1)
	Calanoida (unid) n=7711	Cyclopoida (unid) n=23	Zooplankton (unid) n=1822

Actual discarded Taxa



Relative Abundance of Top Taxonomic Instances per Sample

