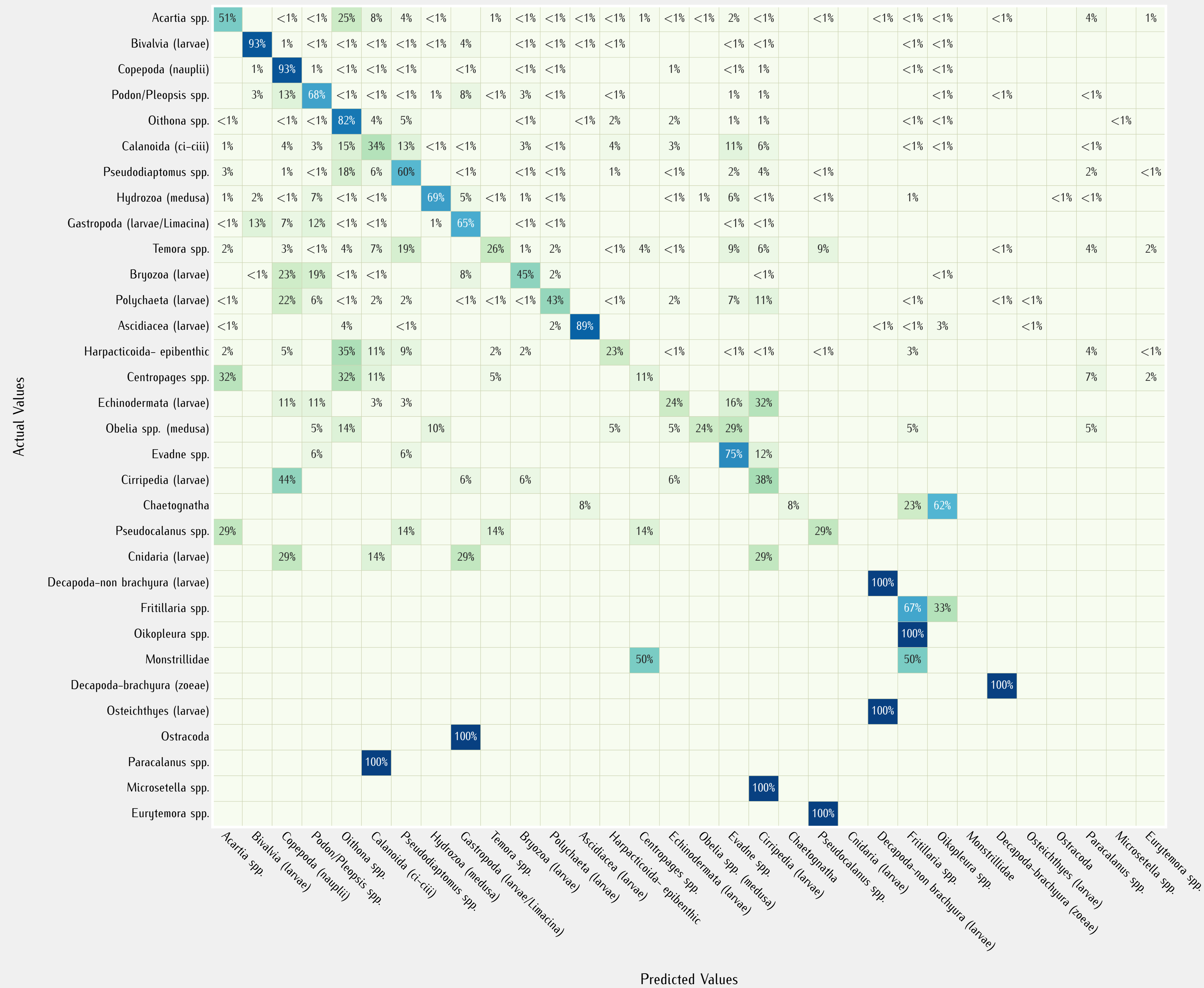


Use of SCN features: No  
Max learning objects: 20000 objects/class  
Strategy N° 5

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

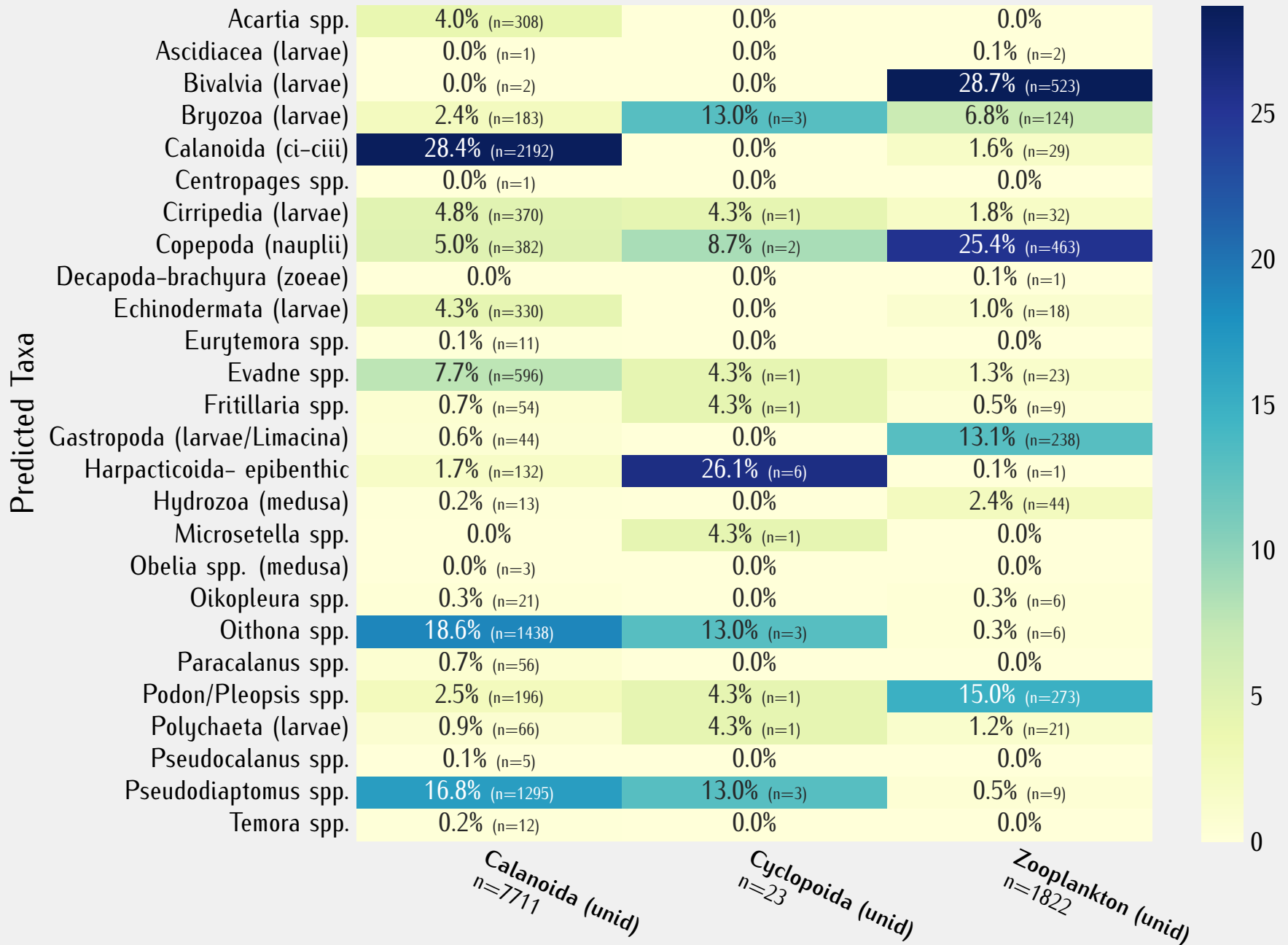
### Confusion Matrix – In percent of Actual Value



Classification Report Matrix  
max 20000 learning objects per class

	precision	recall	f1-score
Acartia spp. (n=18062-train=20000)	0.99	0.51	0.67
Bivalvia (larvae) (n=7955-train=3764)	0.97	0.93	0.95
Copepoda (nauplii) (n=2753-train=11555)	0.78	0.93	0.85
Podon/Pleopsis spp. (n=2715-train=7347)	0.83	0.68	0.74
Oithona spp. (n=2572-train=5881)	0.30	0.82	0.44
Calanoida (ci-ciii) (n=1348-train=5557)	0.21	0.34	0.26
Pseudodiaptomus spp. (n=1059-train=2113)	0.38	0.60	0.47
Hydrozoa (medusa) (n=671-train=4052)	0.83	0.69	0.76
Gastropoda (larvae/Limacina) (n=629-train=3272)	0.42	0.65	0.51
Temora spp. (n=308-train=7347)	0.28	0.26	0.27
Bryozoa (larvae) (n=247-train=1142)	0.35	0.45	0.39
Polychaeta (larvae) (n=237-train=1577)	0.59	0.43	0.50
Ascidacea (larvae) (n=194-train=861)	0.95	0.89	0.92
Harpacticoida- epibenthic (n=108-train=555)	0.09	0.23	0.13
Centropages spp. (n=44-train=3620)	0.02	0.11	0.04
Echinodermata (larvae) (n=37-train=3043)	0.03	0.24	0.05
Obelia spp. (medusa) (n=21-train=1003)	0.17	0.24	0.20
Evadne spp. (n=16-train=11064)	0.02	0.75	0.03
Cirripedia (larvae) (n=16-train=7685)	0.01	0.38	0.03
Chaetognatha (n=13-train=89)	1.00	0.08	0.14
Pseudocalanus spp. (n=7-train=4845)	0.02	0.29	0.03
Cnidaria (larvae) (n=7-train=25)	0.00	0.00	0.00
Decapoda-non brachyura (larvae) (n=4-train=423)	0.57	1.00	0.73
Fritillaria spp. (n=3-train=6992)	0.02	0.67	0.04
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)	0.10	1.00	0.18
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	0.31	0.41	0.29
weighted avg	0.84	0.65	0.70
	precision	recall	f1-score

# Predictions of discarded taxa from training



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

