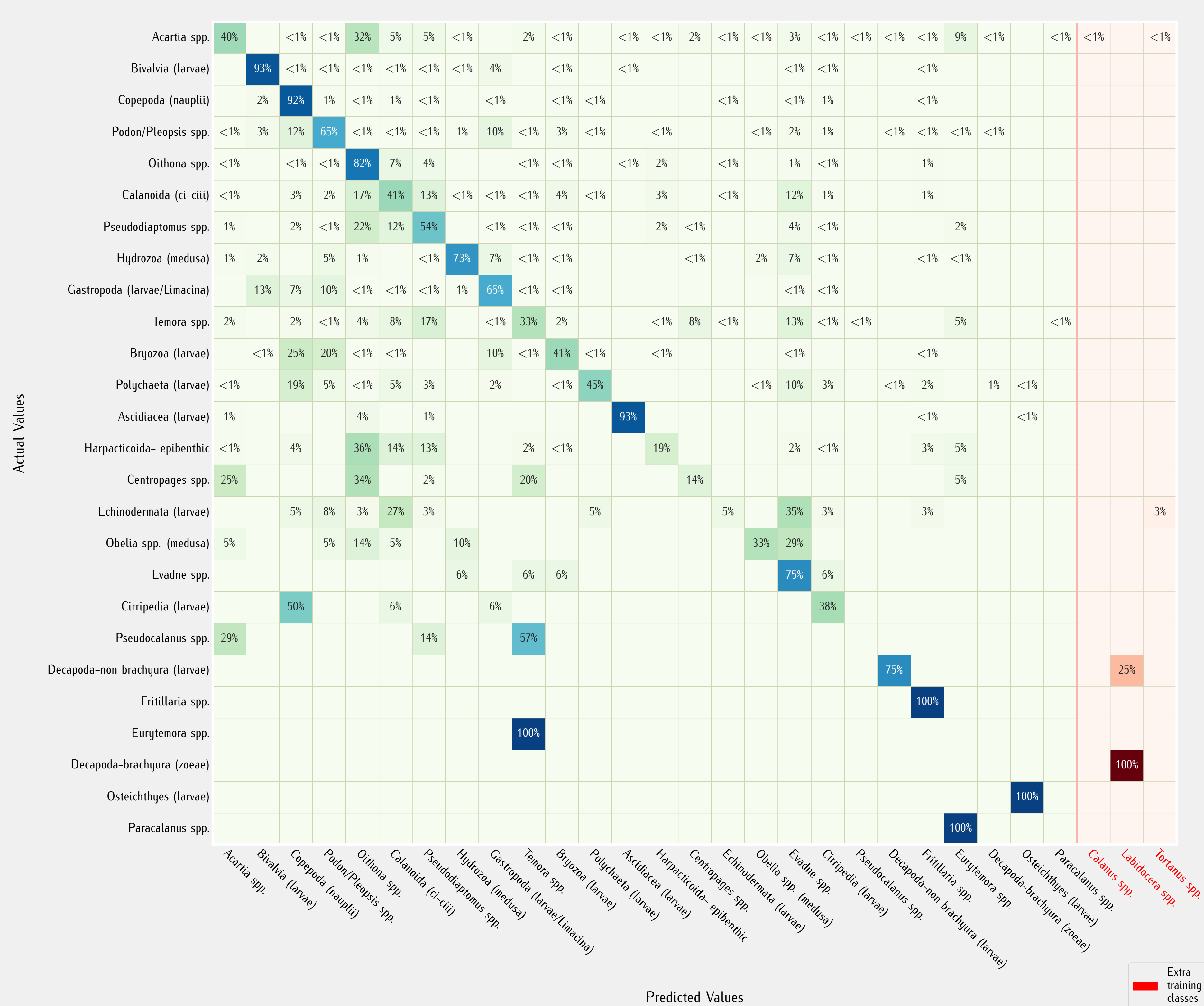


Use of SCN features: Yes  
Max learning objects: 5000 objects/class  
Strategy N° 4

Gulf Selected Samples prediction using Gulf training set,  
Learning with selected samples classes with no low regional training instances, with extra training categories,  
No Calanoida, Cyclopoida, Zooplankton classes in learning set

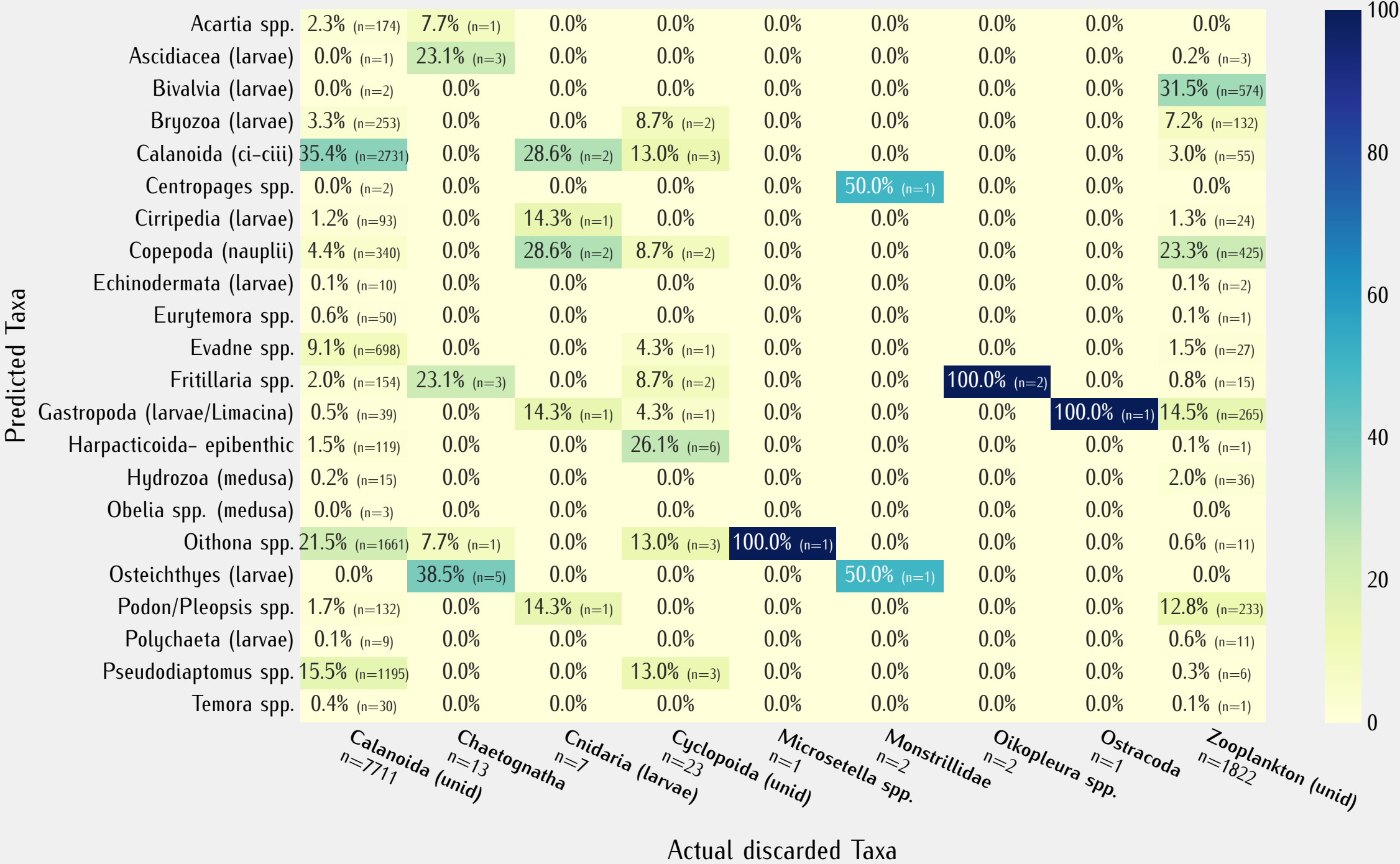
### Confusion Matrix – In percent of Actual Value



Classification Report Matrix  
max 5000 learning objects per class

	precision	recall	f1-score
<b>Acartia spp.</b> (n=18062-train=5000)	0.99	0.40	0.57
<b>Bivalvia (larvae)</b> (n=7955-train=3574)	0.97	0.93	0.95
<b>Copepoda (nauplii)</b> (n=2753-train=5000)	0.79	0.92	0.85
<b>Podon/Pleopsis spp.</b> (n=2715-train=3541)	0.87	0.65	0.74
<b>Oithona spp.</b> (n=2572-train=4428)	0.25	0.82	0.39
<b>Calanoida (ci-ciii)</b> (n=1348-train=1531)	0.30	0.41	0.35
<b>Pseudodiaptomus spp.</b> (n=1059-train=2113)	0.31	0.54	0.39
<b>Hydrozoa (medusa)</b> (n=671-train=3730)	0.84	0.73	0.78
<b>Gastropoda (larvae/Limacina)</b> (n=629-train=2871)	0.37	0.65	0.47
<b>Temora spp.</b> (n=308-train=2199)	0.19	0.33	0.24
<b>Bryozoa (larvae)</b> (n=247-train=973)	0.32	0.41	0.36
<b>Polychaeta (larvae)</b> (n=237-train=464)	0.80	0.45	0.58
<b>Ascidacea (larvae)</b> (n=194-train=805)	0.94	0.93	0.93
<b>Harpacticoida- epibenthic</b> (n=108-train=372)	0.09	0.19	0.12
<b>Centropages spp.</b> (n=44-train=3461)	0.02	0.14	0.03
<b>Echinodermata (larvae)</b> (n=37-train=118)	0.09	0.05	0.07
<b>Obelia spp. (medusa)</b> (n=21-train=952)	0.17	0.33	0.23
<b>Evadne spp.</b> (n=16-train=5000)	0.01	0.75	0.02
<b>Cirripedia (larvae)</b> (n=16-train=716)	0.05	0.38	0.08
<b>Pseudocalanus spp.</b> (n=7-train=228)	0.00	0.00	0.00
<b>Decapoda-non brachyura (larvae)</b> (n=4-train=197)	0.23	0.75	0.35
<b>Fritillaria spp.</b> (n=3-train=2701)	0.02	1.00	0.03
<b>Eurytemora spp.</b> (n=1-train=1730)	0.00	0.00	0.00
<b>Decapoda-brachyura (zoeae)</b> (n=1-train=277)	0.00	0.00	0.00
<b>Osteichthyes (larvae)</b> (n=1-train=43)	0.25	1.00	0.40
<b>Paracalanus spp.</b> (n=1-train=82)	0.00	0.00	0.00
<b>Calanus spp.</b> (n=0-train=109)	-	-	-
<b>Labidocera spp.</b> (n=0-train=493)	-	-	-
<b>Tortanus spp.</b> (n=0-train=111)	-	-	-
<b>macro avg (corr)</b>	0.34	0.49	0.34
<b>weighted avg</b>	0.84	0.61	0.65
	precision	recall	f1-score

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

