

Use of SCN features: Yes
Max learning objects: 200 objects/class
Strategy N° 7

Gulf 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, Cyclopoida, Zooplankton classes in learning set

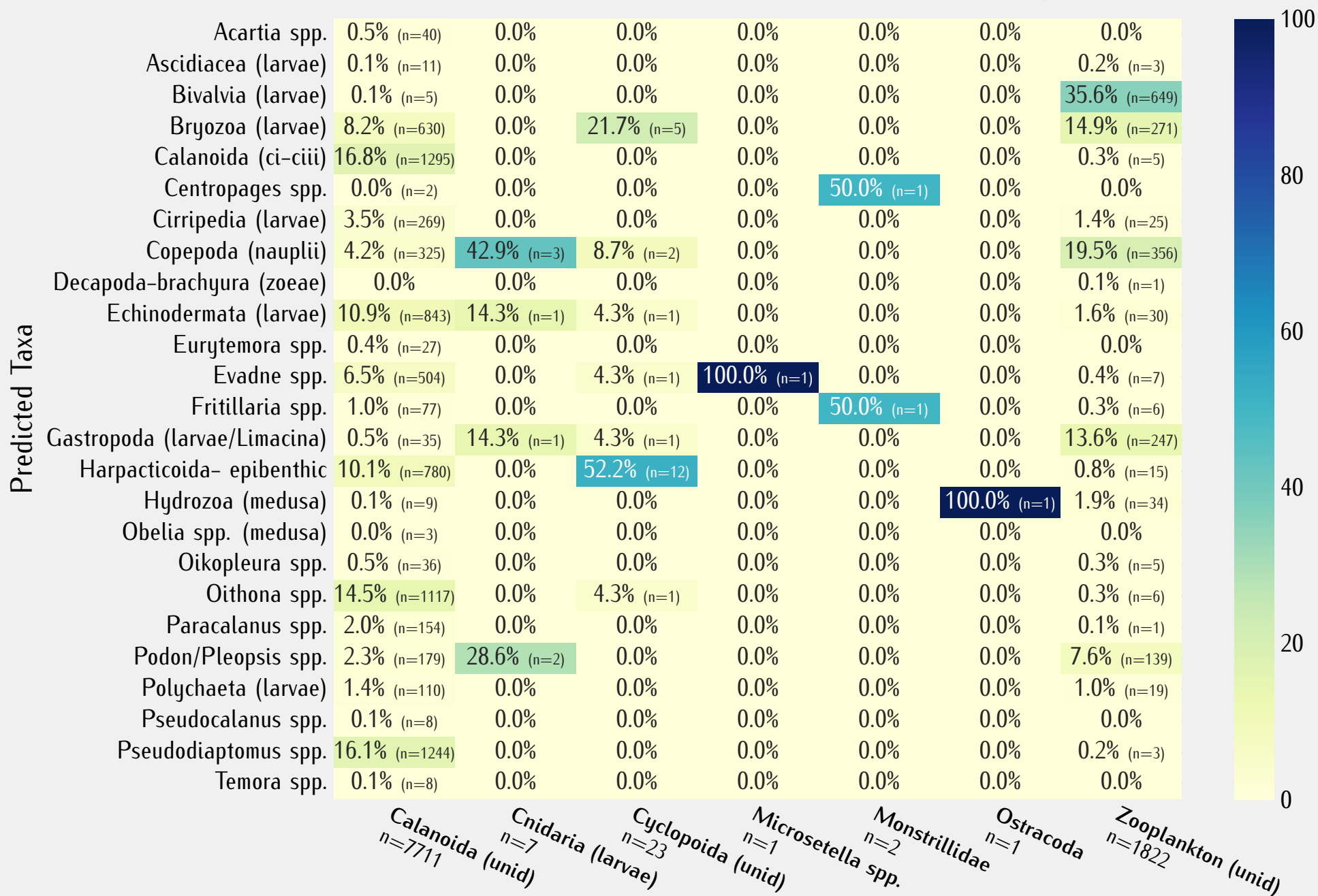
Confusion Matrix – In percent of Actual Value

[illegible]

Classification Report Matrix
max 200 learning objects per class

	precision	recall	f1-score
Acartia spp. (n=18062-train=200)	0.99	0.18	0.30
Bivalvia (larvae) (n=7955-train=200)	0.94	0.91	0.92
Copepoda (nauplii) (n=2753-train=200)	0.72	0.86	0.78
Podon/Pleopsis spp. (n=2715-train=200)	0.83	0.41	0.55
Oithona spp. (n=2572-train=200)	0.21	0.71	0.32
Calanoida (ci-ciii) (n=1348-train=200)	0.21	0.21	0.21
Pseudodiaptomus spp. (n=1059-train=200)	0.32	0.47	0.38
Hydrozoa (medusa) (n=671-train=200)	0.75	0.69	0.72
Gastropoda (larvae/Limacina) (n=629-train=200)	0.26	0.54	0.35
Temora spp. (n=308-train=200)	0.29	0.18	0.22
Bryozoa (larvae) (n=247-train=200)	0.14	0.49	0.21
Polychaeta (larvae) (n=237-train=200)	0.27	0.18	0.22
Ascidacea (larvae) (n=194-train=200)	0.83	0.91	0.86
Harpacticoida- epibenthic (n=108-train=200)	0.04	0.47	0.07
Centropages spp. (n=44-train=200)	0.02	0.16	0.04
Echinodermata (larvae) (n=37-train=200)	0.02	0.32	0.04
Obelia spp. (medusa) (n=21-train=200)	0.07	0.24	0.11
Evadne spp. (n=16-train=200)	0.02	0.69	0.03
Cirripedia (larvae) (n=16-train=200)	0.01	0.12	0.01
Chaetognatha (n=13-train=89)	0.75	0.23	0.35
Pseudocalanus spp. (n=7-train=200)	0.01	0.29	0.02
Decapoda-non brachyura (larvae) (n=4-train=200)	0.09	0.75	0.17
Fritillaria spp. (n=3-train=200)	0.02	0.67	0.03
Oikopleura spp. (n=2-train=200)	0.00	0.00	0.00
Paracalanus spp. (n=1-train=200)	0.00	1.00	0.00
Osteichthyes (larvae) (n=1-train=45)	0.00	0.00	0.00
Decapoda-brachyura (zoeae) (n=1-train=200)	0.00	0.00	0.00
Eurytemora spp. (n=1-train=200)	0.00	0.00	0.00
macro avg	0.28	0.42	0.25
weighted avg	0.82	0.46	0.49
	precision	recall	f1-score

Predictions of discarded taxa from training



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

