

Use of SCN features: No
Max learning objects: 5000 objects/class
Strategy N° 12

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

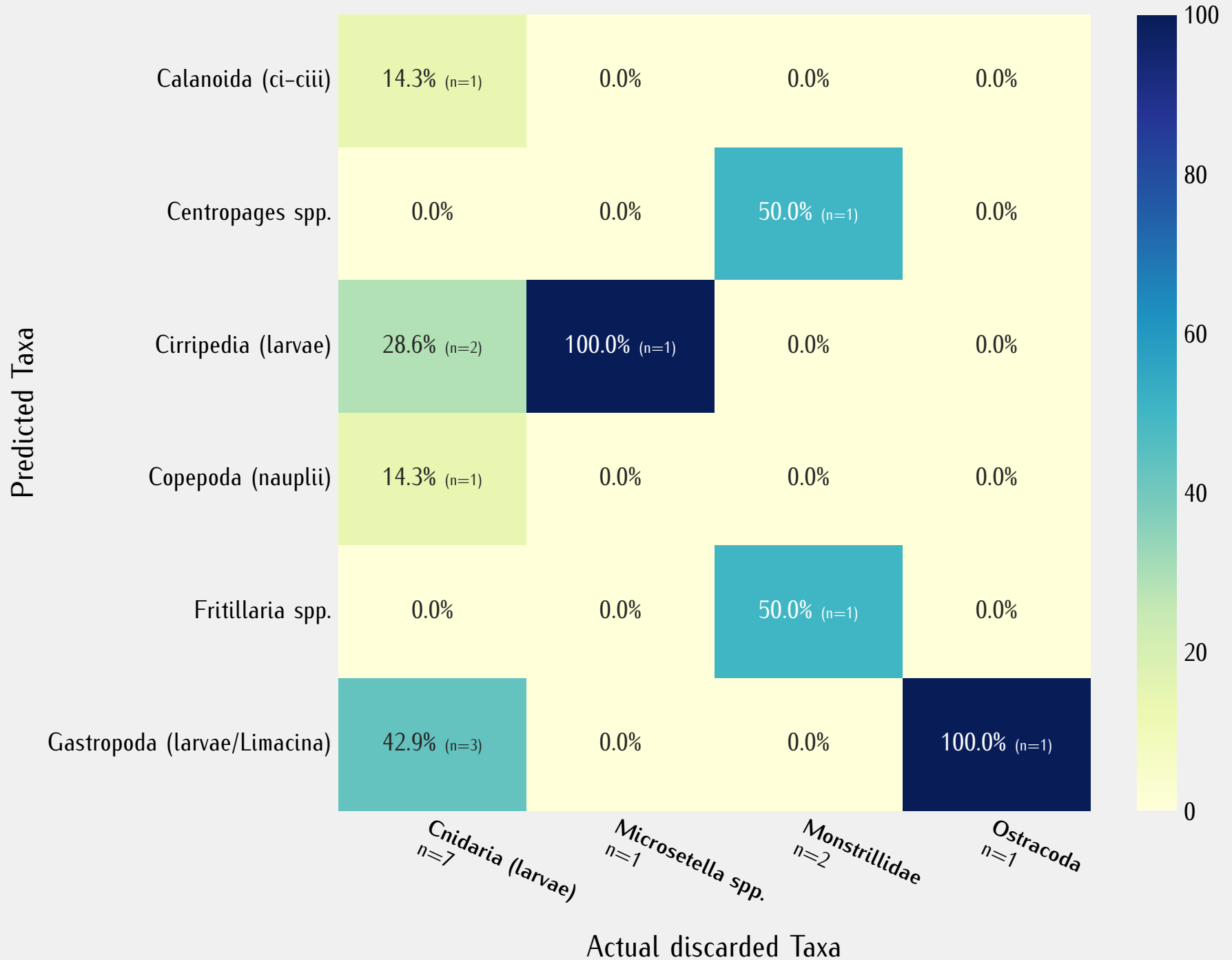
Confusion Matrix – In percent of Actual Value

[illegible]

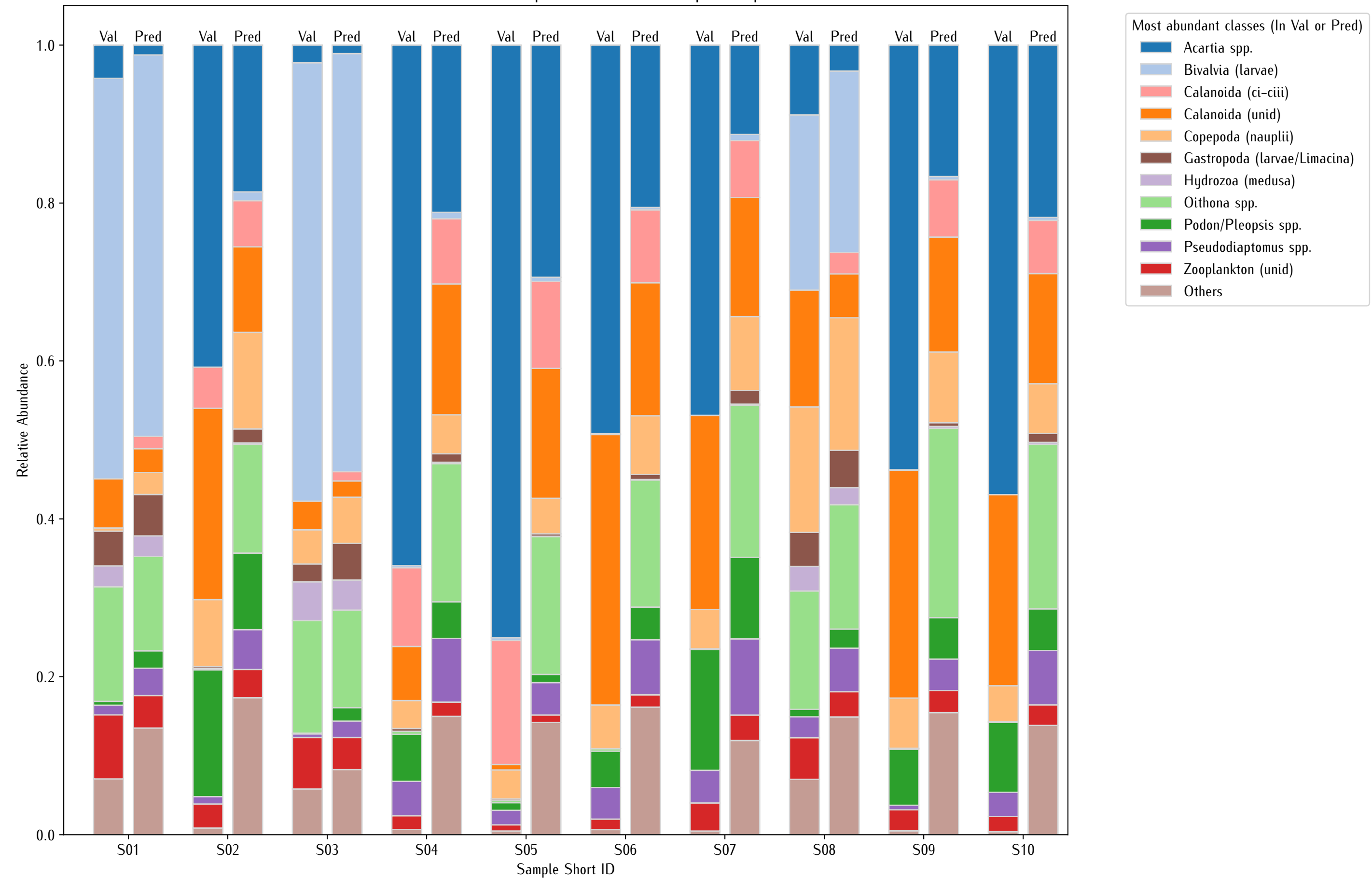
Classification Report Matrix
max 5000 learning objects per class

	precision	recall	f1-score
Acartia spp. (n=18062-train=5000)	0.98	0.35	0.52
Bivalvia (larvae) (n=7955-train=3764)	0.93	0.92	0.92
Calanoida (unid) (n=7711-train=5000)	0.42	0.28	0.34
Copepoda (nauplii) (n=2753-train=5000)	0.66	0.90	0.76
Podon/Pleopsis spp. (n=2715-train=5000)	0.75	0.60	0.67
Oithona spp. (n=2572-train=5000)	0.25	0.79	0.38
Zooplankton (unid) (n=1822-train=5000)	0.41	0.31	0.35
Calanoida (ci-ciii) (n=1348-train=5000)	0.11	0.22	0.15
Pseudodiaptomus spp. (n=1059-train=2113)	0.25	0.60	0.35
Hydrozoa (medusa) (n=671-train=4052)	0.80	0.69	0.74
Gastropoda (larvae/Limacina) (n=629-train=3272)	0.35	0.63	0.45
Temora spp. (n=308-train=5000)	0.25	0.22	0.24
Bryozoa (larvae) (n=247-train=1142)	0.25	0.48	0.33
Polychaeta (larvae) (n=237-train=1577)	0.49	0.47	0.48
Ascidacea (larvae) (n=194-train=861)	0.91	0.91	0.91
Harpacticoida- epibenthic (n=108-train=555)	0.05	0.20	0.08
Centropages spp. (n=44-train=3620)	0.02	0.14	0.03
Echinodermata (larvae) (n=37-train=3043)	0.02	0.30	0.03
Cyclopoida (unid) (n=23-train=143)	0.04	0.30	0.08
Obelia spp. (medusa) (n=21-train=1003)	0.12	0.24	0.16
Evadne spp. (n=16-train=5000)	0.01	0.75	0.03
Cirripedia (larvae) (n=16-train=5000)	0.01	0.38	0.02
Chaetognatha (n=13-train=89)	1.00	0.08	0.14
Pseudocalanus spp. (n=7-train=4845)	0.01	0.14	0.01
Decapoda-non brachyura (larvae) (n=4-train=423)	0.50	1.00	0.67
Fritillaria spp. (n=3-train=5000)	0.02	0.67	0.03
Oikopleura spp. (n=2-train=5000)	0.00	0.00	0.00
Osteichthyes (larvae) (n=1-train=45)	0.00	0.00	0.00
Paracalanus spp. (n=1-train=1619)	0.00	0.00	0.00
Eurytemora spp. (n=1-train=1818)	0.00	0.00	0.00
Decapoda-brachyura (zoeae) (n=1-train=628)	0.07	1.00	0.13
Calanus spp. (n=0-train=359)	-	-	-
Labidocera spp. (n=0-train=493)	-	-	-
Tortanus spp. (n=0-train=203)	-	-	-
macro avg (corr)	0.31	0.44	0.29
weighted avg	0.73	0.51	0.55
	precision	recall	f1-score

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample



Relative Abundance of Top Taxonomic Instances per Sample (Redistributed)

