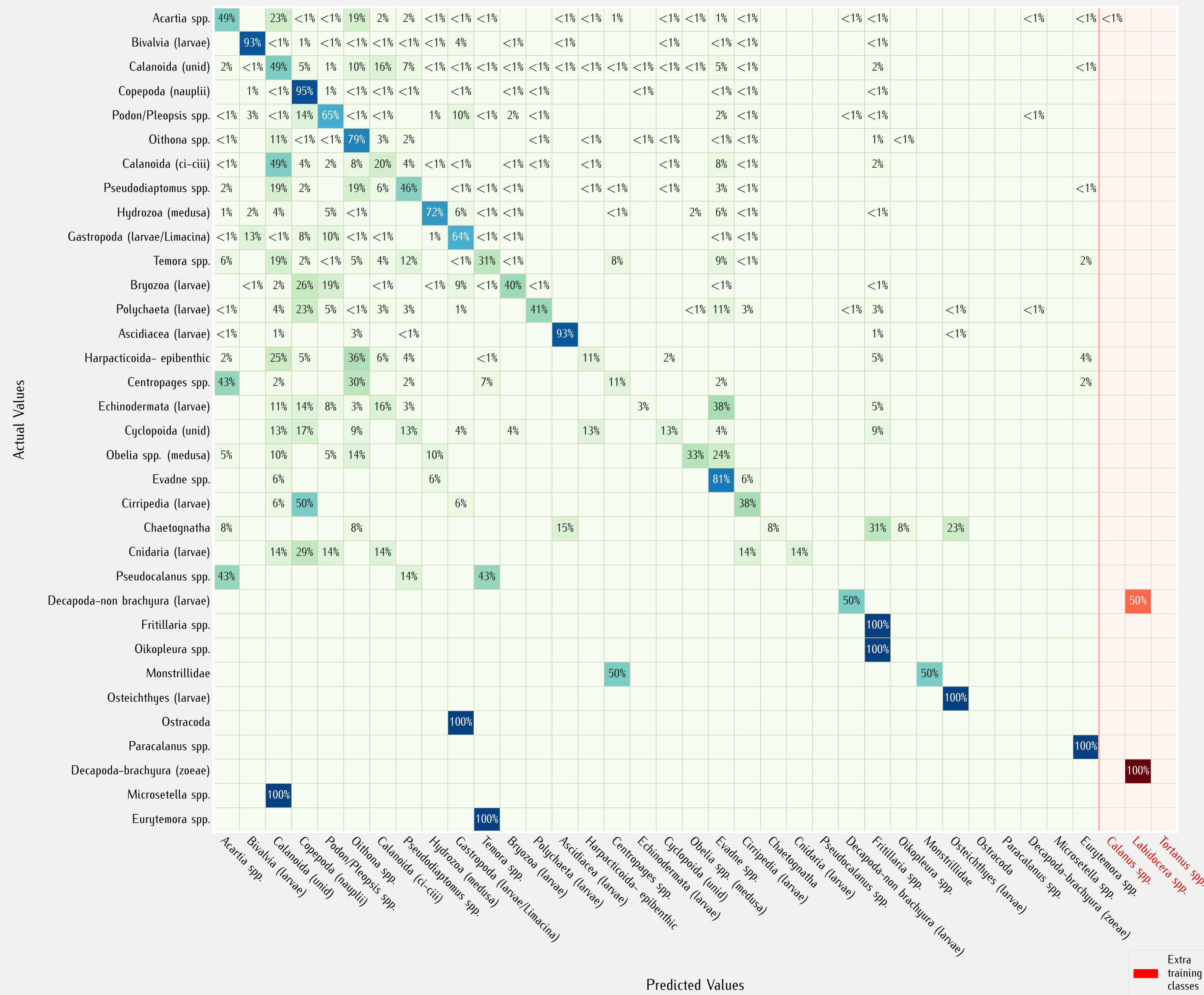


Use of SCN features: Yes
Max learning objects: 20000 objects/class
Strategy N° 9

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

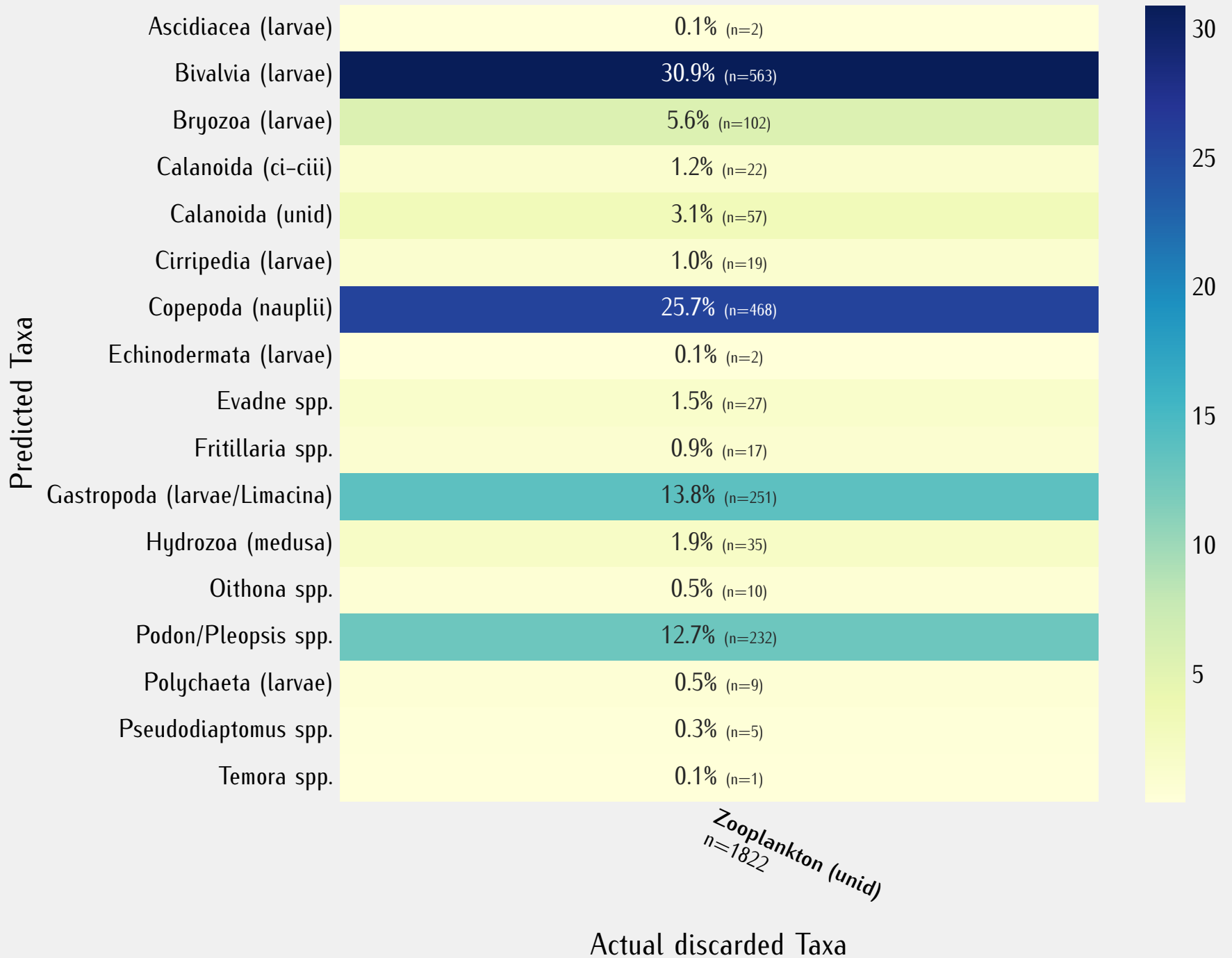
Confusion Matrix – In percent of Actual Value



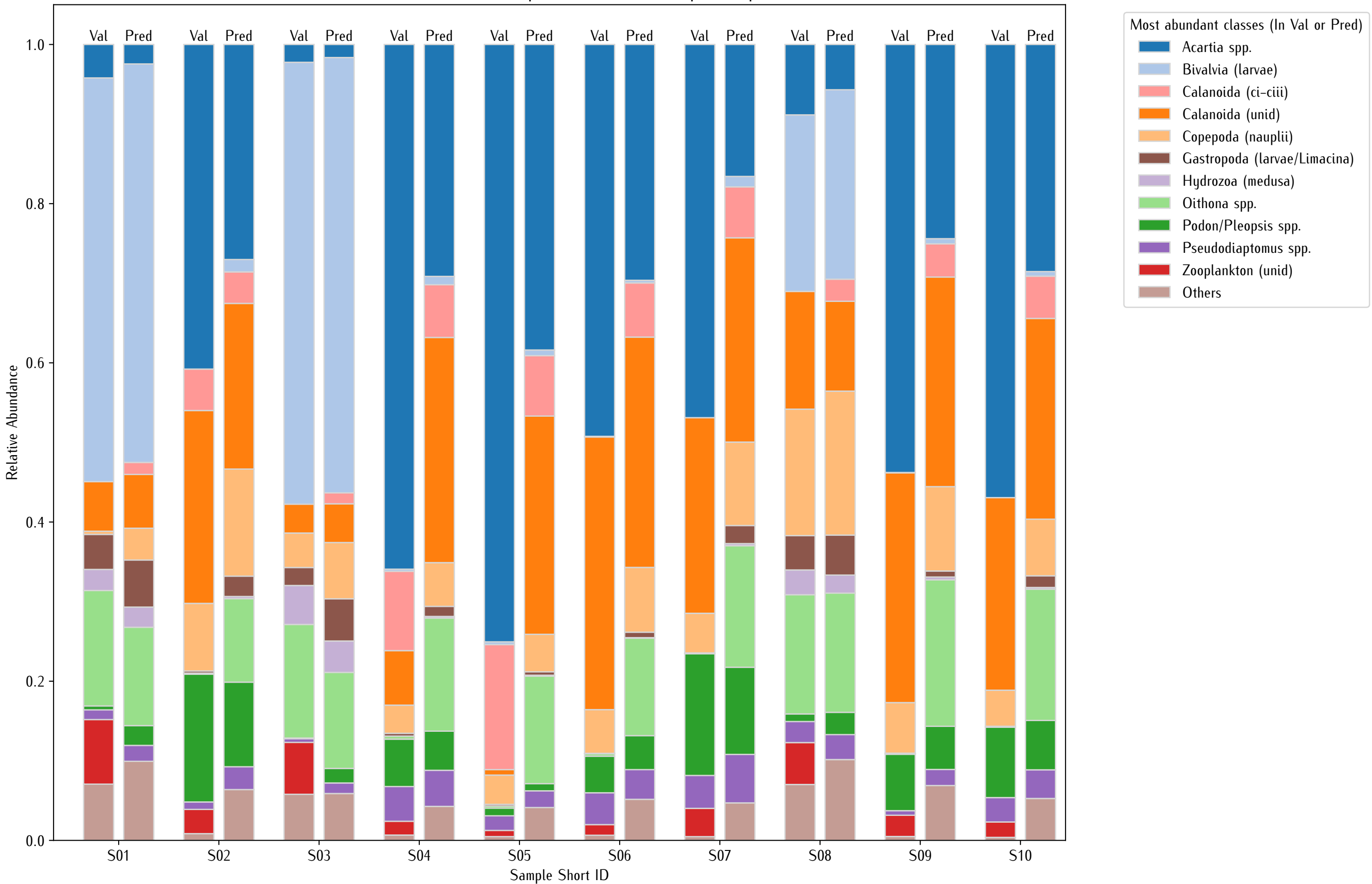
Classification Report Matrix
max 20000 learning objects per class

	precision	recall	f1-score
Acartia spp. (n=18062-train=20000)	0.97	0.49	0.65
Bivalvia (larvae) (n=7955-train=3574)	0.97	0.93	0.95
Calanoida (unid) (n=7711-train=20000)	0.41	0.49	0.45
Copepoda (nauplii) (n=2753-train=10297)	0.69	0.95	0.80
Podon/Pleopsis spp. (n=2715-train=3541)	0.84	0.65	0.73
Oithona spp. (n=2572-train=4428)	0.30	0.79	0.43
Calanoida (ci-ciii) (n=1348-train=1531)	0.13	0.20	0.16
Pseudodiaptomus spp. (n=1059-train=2113)	0.34	0.46	0.39
Hydrozoa (medusa) (n=671-train=3730)	0.83	0.72	0.77
Gastropoda (larvae/Limacina) (n=629-train=2871)	0.36	0.64	0.47
Temora spp. (n=308-train=2199)	0.41	0.31	0.35
Bryozoa (larvae) (n=247-train=973)	0.38	0.40	0.39
Polychaeta (larvae) (n=237-train=464)	0.84	0.41	0.55
Asciadiacea (larvae) (n=194-train=805)	0.95	0.93	0.94
Harpacticoida- epibenthic (n=108-train=372)	0.14	0.11	0.12
Centropages spp. (n=44-train=3461)	0.02	0.11	0.03
Echinodermata (larvae) (n=37-train=118)	0.10	0.03	0.04
Cyclopoida (unid) (n=23-train=64)	0.09	0.13	0.11
Obelia spp. (medusa) (n=21-train=952)	0.25	0.33	0.29
Evadne spp. (n=16-train=7238)	0.01	0.81	0.03
Cirripedia (larvae) (n=16-train=716)	0.04	0.38	0.08
Chaetognatha (n=13-train=18)	1.00	0.08	0.14
Cnidaria (larvae) (n=7-train=20)	1.00	0.14	0.25
Pseudocalanus spp. (n=7-train=228)	0.00	0.00	0.00
Decapoda-non brachyura (larvae) (n=4-train=197)	0.20	0.50	0.29
Fritillaria spp. (n=3-train=2701)	0.01	1.00	0.02
Oikopleura spp. (n=2-train=37)	0.00	0.00	0.00
Monstrillidae (n=2-train=27)	1.00	0.50	0.67
Osteichthyes (larvae) (n=1-train=43)	0.14	1.00	0.25
Ostracoda (n=1-train=1)	0.00	0.00	0.00
Paracalanus spp. (n=1-train=82)	0.00	0.00	0.00
Decapoda-brachyura (zoeae) (n=1-train=277)	0.00	0.00	0.00
Microsetella spp. (n=1-train=4)	0.00	0.00	0.00
Eurytemora spp. (n=1-train=1730)	0.00	0.00	0.00
Calanus spp. (n=0-train=109)	-	-	-
Labidocera spp. (n=0-train=493)	-	-	-
Tortanus spp. (n=0-train=111)	-	-	-
macro avg (corr)	0.37	0.40	0.30
weighted avg	0.76	0.61	0.64
	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)

