

Use of SCN features: Yes
Max learning objects: Maximum 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 available learning objects per class			
	precision	recall	f1-score
Acartia spp. (n=18062-train=101461)	0.94	0.64	0.76
Bivalvia (larvae) (n=7955-train=3574)	0.97	0.93	0.95
Calanoida (unid) (n=7711-train=23505)	0.46	0.61	0.52
Copepoda (nauplii) (n=2753-train=10297)	0.69	0.95	0.80
Podon/Pleopsis spp. (n=2715-train=3541)	0.85	0.66	0.74
Oithona spp. (n=2572-train=4428)	0.38	0.74	0.51
Calanoida (ci-ciii) (n=1348-train=1531)	0.13	0.11	0.12
Pseudodiaptomus spp. (n=1059-train=2113)	0.43	0.40	0.42
Hydrozoa (medusa) (n=671-train=3730)	0.85	0.72	0.78
Gastropoda (larvae/Limacina) (n=629-train=2871)	0.37	0.65	0.47
Temora spp. (n=308-train=2199)	0.72	0.17	0.27
Bryozoa (larvae) (n=247-train=973)	0.38	0.38	0.38
Polychaeta (larvae) (n=237-train=464)	0.83	0.43	0.57
Ascidacea (larvae) (n=194-train=805)	0.98	0.92	0.95
Harpacticoida- epibenthic (n=108-train=372)	0.14	0.06	0.09
Centropages spp. (n=44-train=3461)	0.05	0.11	0.07
Echinodermata (larvae) (n=37-train=118)	0.20	0.03	0.05
Cyclopoida (unid) (n=23-train=64)	0.14	0.17	0.15
Obelia spp. (medusa) (n=21-train=952)	0.31	0.24	0.27
Evadne spp. (n=16-train=7238)	0.02	0.88	0.03
Cirripedia (larvae) (n=16-train=716)	0.05	0.38	0.09
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)	0.33	0.75	0.46
Fritillaria spp. (n=3-train=2701)	0.02	1.00	0.03
Oikopleura spp. (n=2-train=37)	0.00	0.00	0.00
Monstrillidae (n=2-train=27)	0.00	0.00	0.00
Osteichthyes (larvae) (n=1-train=43)	0.17	1.00	0.29
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	0.39	0.30
weighted avg	0.76	0.68	0.70
	precision	recall	f1-score

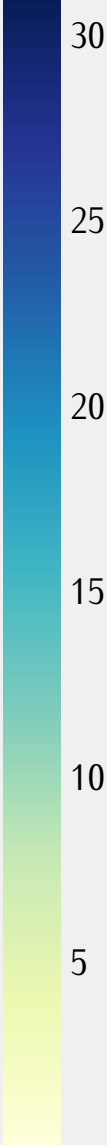
Predictions of discarded taxa from training

Predicted Taxa

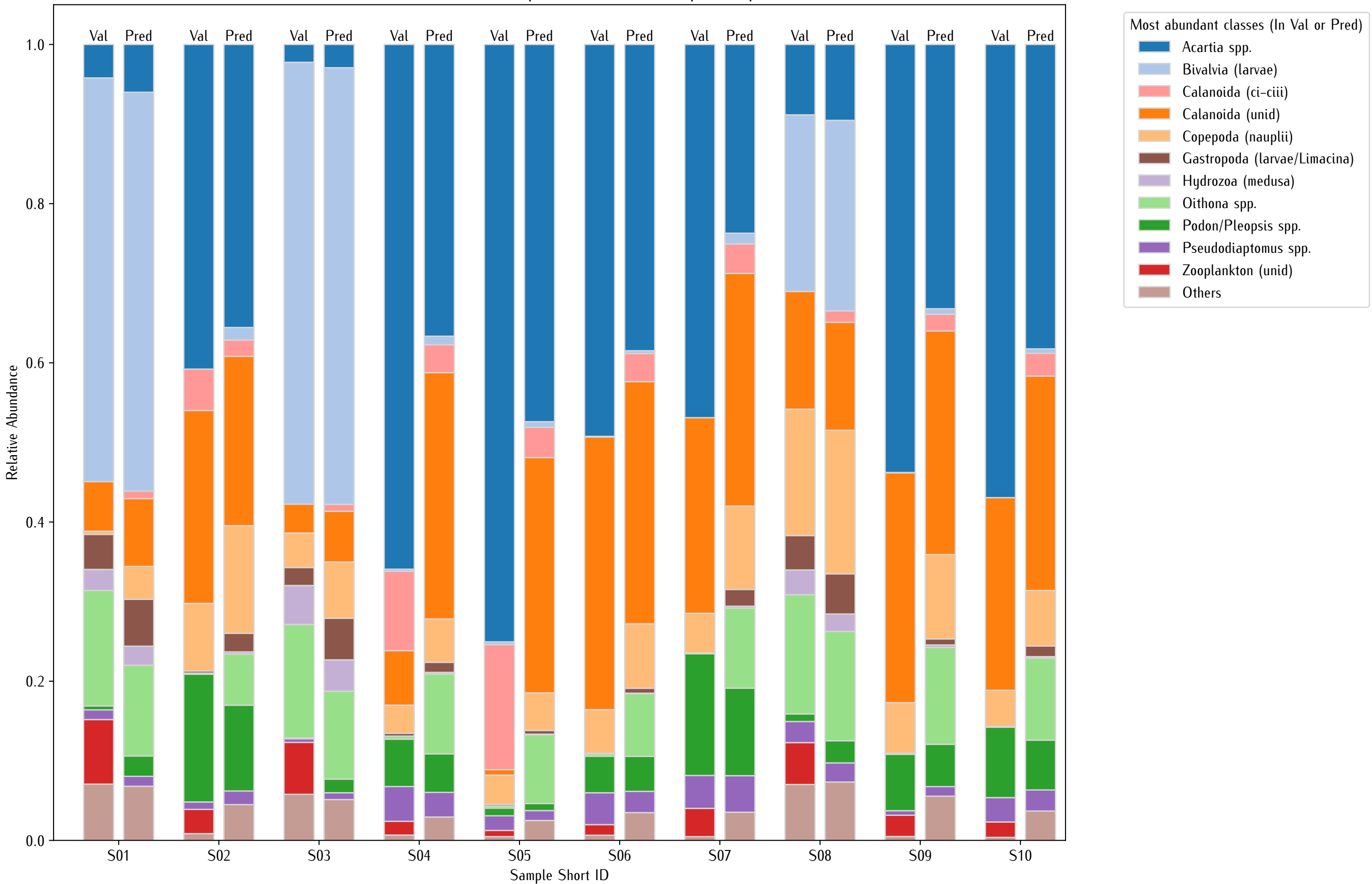
Acartia spp.	0.1% (n=1)
Ascidacea (larvae)	0.1% (n=2)
Bivalvia (larvae)	31.0% (n=564)
Bryozoa (larvae)	5.4% (n=98)
Calanoida (ci-ciii)	0.8% (n=15)
Calanoida (unid)	3.8% (n=70)
Cirripedia (larvae)	0.9% (n=17)
Copepoda (nauplii)	26.5% (n=483)
Echinodermata (larvae)	0.1% (n=1)
Evadne spp.	1.5% (n=27)
Fritillaria spp.	1.0% (n=18)
Gastropoda (larvae/Limacina)	13.3% (n=242)
Hydrozoa (medusa)	1.7% (n=31)
Oithona spp.	0.3% (n=6)
Podon/Pleopsis spp.	13.0% (n=236)
Polychaeta (larvae)	0.5% (n=9)
Pseudodiaptomus spp.	0.1% (n=2)

Zooplankton (unid)
n=1822

Actual discarded Taxa



Relative Abundance of Top Taxonomic Instances per Sample



Relative Abundance of Top Taxonomic Instances per Sample (Redistributed)

