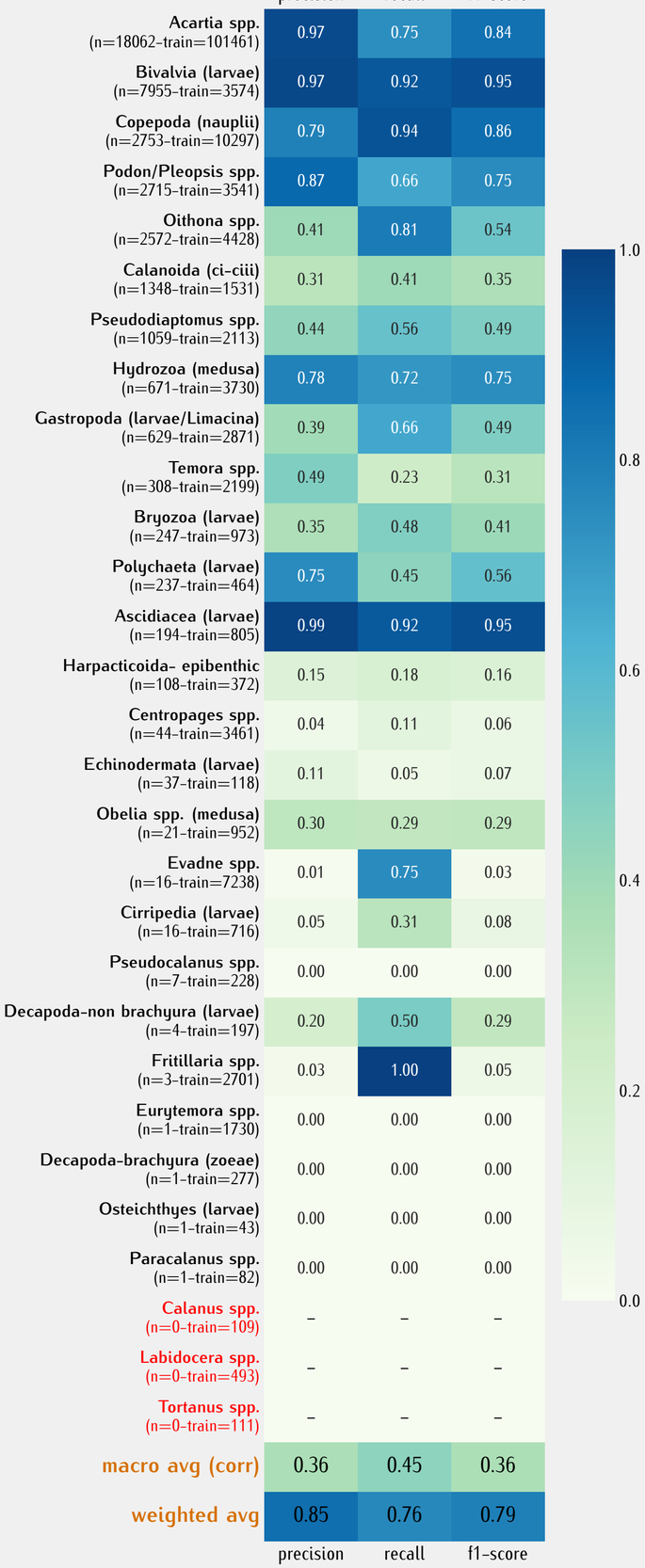
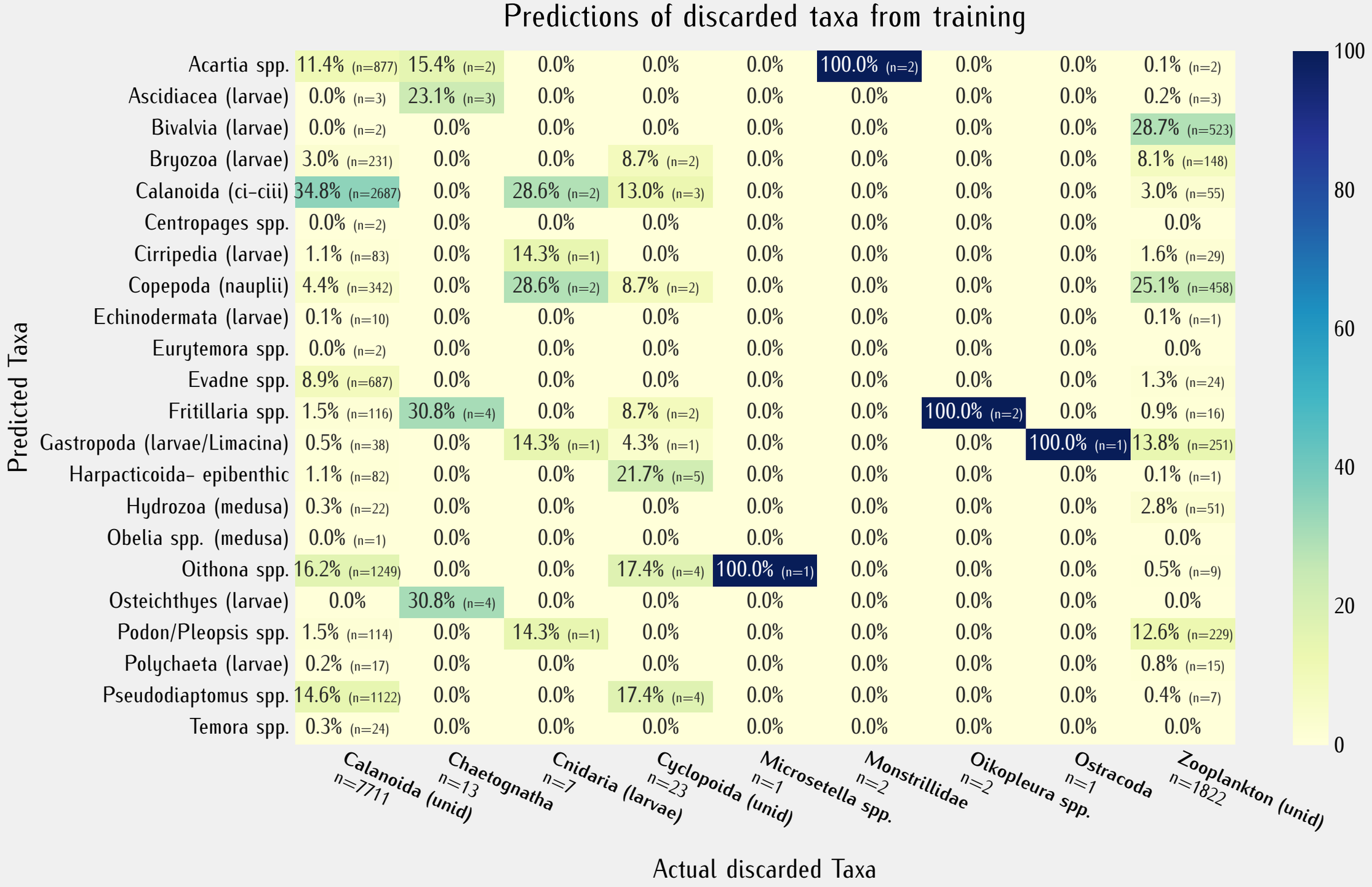
Use of SCN features: No
Max learning objects: Maximum objects/class
Strategy N° 4

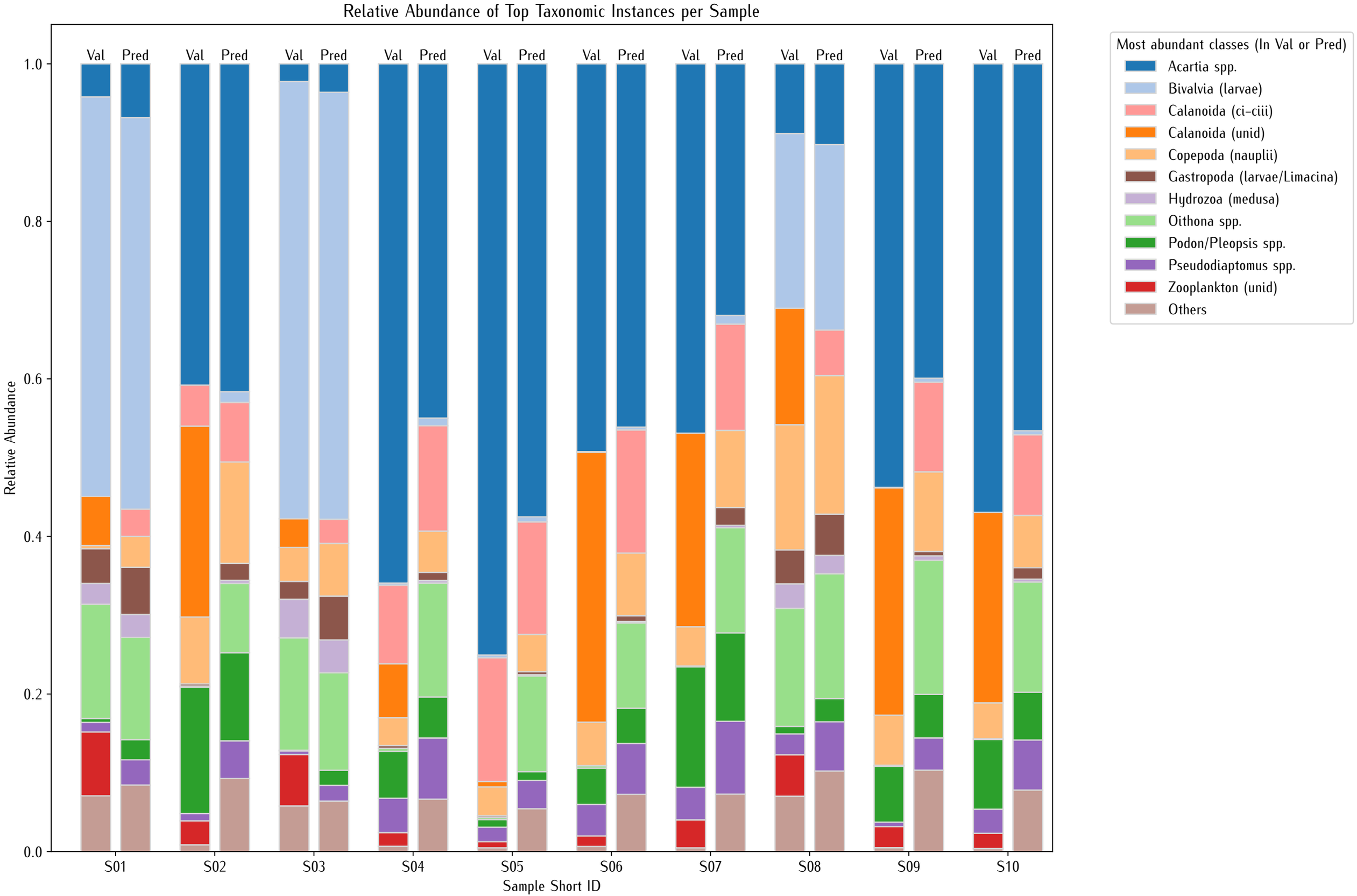
Gulf Selected Samples prediction using Gulf training set, Learning with selected samples classes with no low regional training instances, with extra training categories, No Calanoida, Cyclopoida, Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

Classification Report Matrix
max available learning objects per class




Predictions of discarded taxa from training
Predicted Taxa
Actual discarded Taxa
Acartia spp. 11.4% (n=877) 15.4% (n=2) 0.0% 0.0% 0.0% 100.0% (n=2) 0.0% 0.0% 0.1% (n=2)
Ascidiacea (larvae) 0.0% (n=3) 23.1% (n=3) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.2% (n=3)
Bivalvia (larvae) 0.0% (n=2) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 28.7% (n=523)
Bryozoa (larvae) 3.0% (n=231) 0.0% 0.0% 8.7% (n=2) 0.0% 0.0% 0.0% 0.0% 8.1% (n=148)
Calanoida (ci-ciii) 34.8% (n=2687) 0.0% 28.6% (n=2) 13.0% (n=3) 0.0% 0.0% 0.0% 0.0% 3.0% (n=55)
Centropages spp. 0.0% (n=2) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%
Cirripedia (larvae) 1.1% (n=83) 0.0% 14.3% (n=1) 0.0% 0.0% 0.0% 0.0% 0.0% 1.6% (n=29)
Copepoda (nauplii) 4.4% (n=342) 0.0% 28.6% (n=2) 8.7% (n=2) 0.0% 0.0% 0.0% 0.0% 25.1% (n=458)
Echinodermata (larvae) 0.1% (n=10) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% (n=1)
Eurytemora spp. 0.0% (n=2) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%
Evadne spp. 8.9% (n=687) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 1.3% (n=24)
Fritillaria spp. 1.5% (n=116) 30.8% (n=4) 0.0% 8.7% (n=2) 0.0% 0.0% 100.0% (n=2) 0.0% 0.9% (n=16)
Gastropoda (larvae/Limacina) 0.5% (n=38) 0.0% 14.3% (n=1) 4.3% (n=1) 0.0% 0.0% 0.0% 100.0% (n=1) 13.8% (n=251)
Harpacticoida- epibenthic 1.1% (n=82) 0.0% 0.0% 21.7% (n=5) 0.0% 0.0% 0.0% 0.0% 0.1% (n=1)
Hydrozoa (medusa) 0.3% (n=22) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 2.8% (n=51)
Obelia spp. (medusa) 0.0% (n=1) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%
Oithona spp. 16.2% (n=1249) 0.0% 0.0% 17.4% (n=4) 100.0% (n=1) 0.0% 0.0% 0.0% 0.5% (n=9)
Osteichthyes (larvae) 0.0% 30.8% (n=4) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%
Podon/Pleopsis spp. 1.5% (n=114) 0.0% 14.3% (n=1) 0.0% 0.0% 0.0% 0.0% 0.0% 12.6% (n=229)
Polychaeta (larvae) 0.2% (n=17) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.8% (n=15)
Pseudodiaptomus spp. 14.6% (n=1122) 0.0% 0.0% 17.4% (n=4) 0.0% 0.0% 0.0% 0.0% 0.4% (n=7)
Temora spp. 0.3% (n=24) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%
Calanoida (unid) n=7711
Chaetognatha n=13
Cnidaria (larvae) n=7
Cyclopoida (unid) n=23
Microsetella spp. n=1
Monstrillidae n=2
Oikopleura spp. n=2
Ostracoda n=1
Zooplankton (unid) n=1822
100
80
60
40
20
0


Relative Abundance of Top Taxonomic Instances per Sample
Val
Pred
1.0
0.8
0.6
0.4
0.2
0.0
Relative Abundance
S01
S02
S03
S04
S05
S06
S07
S08
S09
S10
Sample Short ID
Most abundant classes (In Val or Pred)
Acartia spp.
Bivalvia (larvae)
Calanoida (ci–ciii)
Calanoida (unid)
Copepoda (nauplii)
Gastropoda (larvae/Limacina)
Hydrozoa (medusa)
Oithona spp.
Podon/Pleopsis spp.
Pseudodiaptomus spp.
Zooplankton (unid)
Others