NL 2020 Selected Samples prediction using all regions training set,
Learning with all classes present in the selected samples, no extra training categories,
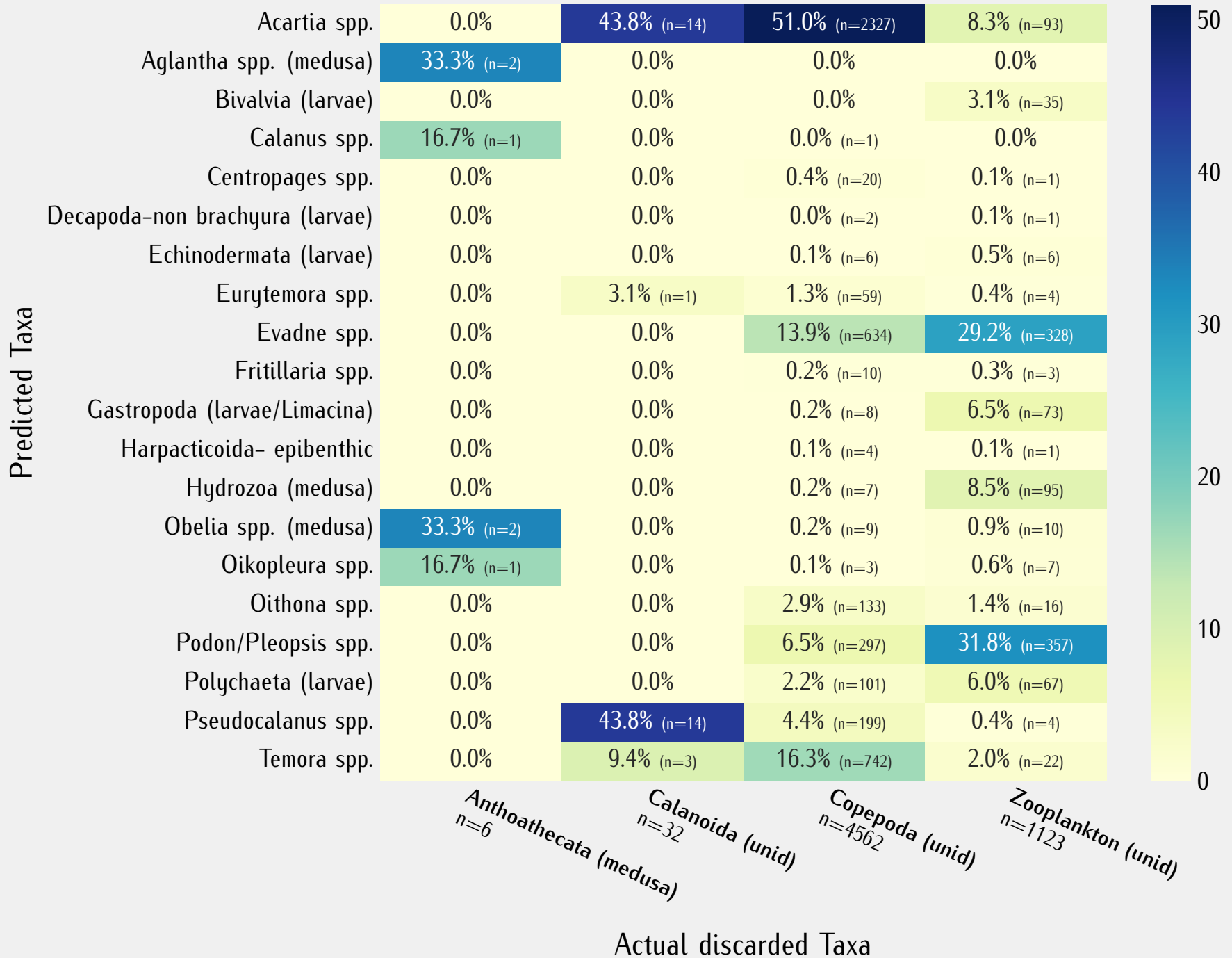No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

Use of SCN features: No
Max learning objects: Maximum objects/class
Strategy N° 5

Confusion Matrix – In percent of Actual Value
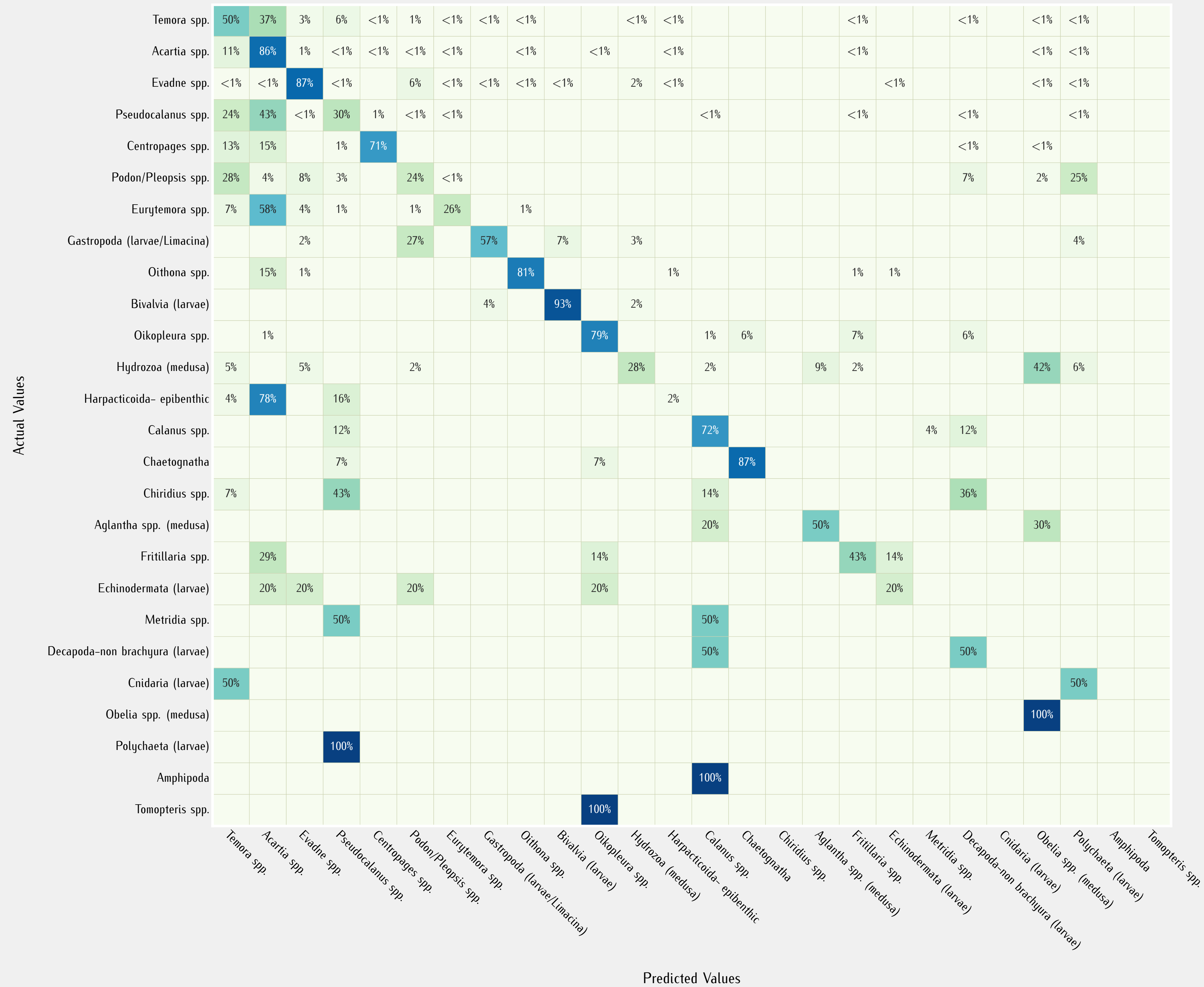
Classification Report Matrix
max available learning objects per class

| | precision | recall | f1-score |
|---|---|---|---|
| Temora spp. (n=18103–train=7347) | 0.79 | 0.50 | 0.62 |
| Acartia spp. (n=13302–train=111319) | 0.58 | 0.86 | 0.69 |
| Evadne spp. (n=5228–train=11064) | 0.86 | 0.87 | 0.87 |
| Pseudocalanus spp. (n=3053–train=4845) | 0.43 | 0.30 | 0.35 |
| Centropages spp. (n=330–train=3620) | 0.62 | 0.71 | 0.66 |
| Podon/Pleopsis spp. (n=253–train=7347) | 0.09 | 0.24 | 0.13 |
| Eurytemora spp. (n=178–train=1818) | 0.18 | 0.26 | 0.22 |
| Gastropoda (larvae/Limacina) (n=112–train=3272) | 0.50 | 0.57 | 0.53 |
| Oithona spp. (n=98–train=5881) | 0.35 | 0.81 | 0.48 |
| Bivalvia (larvae) (n=92–train=3764) | 0.91 | 0.93 | 0.92 |
| Oikopleura spp. (n=70–train=5305) | 0.81 | 0.79 | 0.80 |
| Hydrozoa (medusa) (n=64–train=4052) | 0.14 | 0.28 | 0.19 |
| Harpacticoida- epibenthic (n=50–train=555) | 0.06 | 0.02 | 0.03 |
| Calanus spp. (n=25–train=359) | 0.62 | 0.72 | 0.67 |
| Chaetognatha (n=15–train=89) | 0.76 | 0.87 | 0.81 |
| Chiridius spp. (n=14–train=1) | 0.00 | 0.00 | 0.00 |
| Aglantha spp. (medusa) (n=10–train=22) | 0.45 | 0.50 | 0.48 |
| Fritillaria spp. (n=7–train=6992) | 0.09 | 0.43 | 0.15 |
| Echinodermata (larvae) (n=5–train=3043) | 0.09 | 0.20 | 0.13 |
| Metridia spp. (n=2–train=16) | 0.00 | 0.00 | 0.00 |
| Decapoda-non brachyura (larvae) (n=2–train=423) | 0.03 | 0.50 | 0.05 |
| Cnidaria (larvae) (n=2–train=25) | 0.00 | 0.00 | 0.00 |
| Obelia spp. (medusa) (n=1–train=1003) | 0.01 | 1.00 | 0.03 |
| Polychaeta (larvae) (n=1–train=1577) | 0.00 | 0.00 | 0.00 |
| Amphipoda (n=1–train=27) | 0.00 | 0.00 | 0.00 |
| Tomopteris spp. (n=1–train=1) | 0.00 | 0.00 | 0.00 |
| macro avg | 0.32 | 0.44 | 0.34 |
| weighted avg | 0.69 | 0.65 | 0.65 |
| | precision | recall | f1-score |

# Predictions of discarded taxa from training

| Predicted Taxa | Anthoathecata (medusa) n=6 | Calanoida (unid) n=32 | Copepoda (unid) n=4562 | Zooplankton (unid) n=1123 |
|---|---|---|---|---|
| Acartia spp. | 0.0% | 43.8% (n=14) | 51.0% (n=2327) | 8.3% (n=93) |
| Aglantha spp. (medusa) | 33.3% (n=2) | 0.0% | 0.0% | 0.0% |
| Bivalvia (larvae) | 0.0% | 0.0% | 0.0% | 3.1% (n=35) |
| Calanus spp. | 16.7% (n=1) | 0.0% | 0.0% (n=1) | 0.0% |
| Centropages spp. | 0.0% | 0.0% | 0.4% (n=20) | 0.1% (n=1) |
| Decapoda-non brachyura (larvae) | 0.0% | 0.0% | 0.0% (n=2) | 0.1% (n=1) |
| Echinodermata (larvae) | 0.0% | 0.0% | 0.1% (n=6) | 0.5% (n=6) |
| Eurytemora spp. | 0.0% | 3.1% (n=1) | 1.3% (n=59) | 0.4% (n=4) |
| Evadne spp. | 0.0% | 0.0% | 13.9% (n=634) | 29.2% (n=328) |
| Fritillaria spp. | 0.0% | 0.0% | 0.2% (n=10) | 0.3% (n=3) |
| Gastropoda (larvae/Limacina) | 0.0% | 0.0% | 0.2% (n=8) | 6.5% (n=73) |
| Harpacticoida- epibenthic | 0.0% | 0.0% | 0.1% (n=4) | 0.1% (n=1) |
| Hydrozoa (medusa) | 0.0% | 0.0% | 0.2% (n=7) | 8.5% (n=95) |
| Obelia spp. (medusa) | 33.3% (n=2) | 0.0% | 0.2% (n=9) | 0.9% (n=10) |
| Oikopleura spp. | 16.7% (n=1) | 0.0% | 0.1% (n=3) | 0.6% (n=7) |
| Oithona spp. | 0.0% | 0.0% | 2.9% (n=133) | 1.4% (n=16) |
| Podon/Pleopsis spp. | 0.0% | 0.0% | 6.5% (n=297) | 31.8% (n=357) |
| Polychaeta (larvae) | 0.0% | 0.0% | 2.2% (n=101) | 6.0% (n=67) |
| Pseudocalanus spp. | 0.0% | 43.8% (n=14) | 4.4% (n=199) | 0.4% (n=4) |
| Temora spp. | 0.0% | 9.4% (n=3) | 16.3% (n=742) | 2.0% (n=22) |

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample