**Supplementary Table 2.** Mean intensity (I) (±SE) of *Cardicola* spp. infection in ranched Southern Bluefin Tuna from Praziquantel treated pontoons sampled in July 2018, 2019 and 2021. n.a – not applicable.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Company** | **Year** | **n** | **Adult *C. forsteri* in SBT heart** | ***C. forsteri* (ITS-2) in SBT heart** | ***Cardicola* spp. eggs in gills**  | ***C. forsteri* (ITS-2) in SBT gills**  | ***C. orientalis* (ITS-2) in SBT gills** |
|  |  |  | **I** | **I** | **I** | **I** | **I** |
| A | 2018 | 14 | 4.00 (±0.80) | 5.29 x 106(±1.17 x 106) | 1.33(±0.23) | 1.07 x 107 (±3.97 x 106) | 3.23 x 106 (n.a) |
|  | 2019 | 15 | 2.71 (±0.68) | 2.91 x 105(±1.39 x 105) | 0.13(±0.04) | 2.61 x 106 (±5.26 x 105) | - |
|  | 2021 | 12 | 0.00 (±0.00) | 1.23 x 106(±3.98 x 105) | 0.33(±0.11) | 5.68 x 105 (±3.03 x 105) | - |
| B | 2018 | 15 | 1.75 (±0.75) | 1.58 x 105(±3.44 x 104) | 0.43(±0.20) | 1.17 x 106 (±2.80 x 105) | 2.33 x 106 (n.a) |
|  | 2019 | 15 | 1.50 (±0.29) | 5.07 x 104)(±1.98 x 104) | 0.17(±0.06) | 9.41 x 104 (±4.60 x 104) | - |
|  | 2021 | 15 | 1.38 (±0.18) | 7.97 x 105)(±3.78 x 105) | 0.54(±0.17) | 2.64 x 106 (±6.18 x 105) | - |
| C | 2018 | 15 | 1.17 (±0.17) | 4.58 x 104)(±6.87 x 103) | 0.22(±0.08) | 5.23 x 105  (±1.74 x 105) | - |
|  | 2019 | 15 | 1.00 (±0.00) | 8.56 x 105)(±4.46 x 105) | 0.60(±0.22) | 4.19 x 105 (±2.03 x 105) | - |
|  | 2021 | 15 | 1.00 (±0.00) | 2.23 x 105(±1.92 x 105) | 0.45(±0.28) | 3.81 x 106 (±1.45 x 106) | - |
| D | 2018 | 15 | 1.63 (±0.38) | 4.96 x 105(±2.39 x 105) | 1.00(±0.23) | 2.97 x 106  (±5.45 x 105) | - |
|  | 2019 | 15 | 1.00 (±0.00) | 1.17 x 106(±5.11 x 105) | 0.45(±0.21) | 3.15 v 105 (±2.37 x 105) | 1.07 x 107 (n.a) |
|  | 2021 | 14 | 2.00 (±0.00) | 2.13 x 105(±1.05 x 105) | 0.27(±0.07) | 6.71 x 106 (±2.82 x 106) | - |
| E | 2018 | 15 | 3.00 (±0.76) | 9.58 x 104(±6.87 x104) | 0.66(±25) | 1.39 x 106  (±4.72 x 105) | - |
|  | 2019 | 15 | 1.67 (±0.33) | 1.11 x 105(±6.38 x 103) | 0.11(±0.02) | 1.22 x 105 (±2.66 x 104) | - |
|  | 2021 | 15 | 2.67 (±1.21) | 3.92 x 105(±1.86 x 105) | 0.28(±0.07) | 3.19 x 106  (±9.14 x 105) | - |
| F | 2018 | 15 | 1.29 (±0.18) | 6.59 x 104(±2.60 x 104) | 0.29(±0.14) | 3.47 x 105  (±8.12 x 104) | - |
|  | 2019 | 14 | 1.50 (±0.22) | 2.43 x 105(±1.05 x 104) | 0.18(±0.05) | 9.02 x 105 (±2.92 x 105) | - |
|  | 2021 | 15 | 1.90 (±0.35) | 4.12 x 105(±1.10 x 105) | 0.24(±0.05) | 3.78 x 106 (±1.26 x 106) | - |
| G | 2018 | 13 | 1.50 (±0.34) | 2.59 x 105(±6.62 x 104) | 0.13(±0.04) | 6.36 x 105  (±2.36 x 105) | - |
|  | 2019 | 15 | 4.73 (±1.00) | 3.19 x 106(±1.56 x 106) | 1.03(±0.37) | 3.85 x 106 (±9.29 x 105) | 1.05 x 105(±1.50 x 104) |
|  | 2021 | 15 | 1.25 (±0.25) | 3.41 x 105(±1.44 x 105) | 0.33(±0.05) | 4.71 x 106 (±2.02 x 106) | - |