**Appendix 3.** Statistics for Shannon’s Index Calculations

(1) Genera and counts used to calculate Shannon’s Index for Biodiversity for all blacktip shark tissue sites

|  |  |  |
| --- | --- | --- |
| Genus | Number of times identified | Shannon Index |
| *Kocuria* | 1 | -0.1363258 |
| *Arthrobacter* | 1 | -0.1363258 |
| *Nesterenkonia* | 1 | -0.1363258 |
| *Rothia* | 1 | -0.1363258 |
| *Micrococcus* | 1 | -0.1363258 |
| *Fictibacillus* | 1 | -0.1363258 |
| *Bacillus* | 2 | -0.212378 |
| *Macrococcus* | 1 | -0.1363258 |
| *Pseudoalteromonas* | 2 | -0.212378 |
| *Psychrobacter* | 2 | -0.212378 |
| *Curtobacterium* | 1 | -0.1363258 |
| *Clavibacter* | 1 | -0.1363258 |
| *Zimmermannella* | 1 | -0.1363258 |
| *Mycetocola* | 1 | -0.1363258 |
| *Herbiconiux* | 1 | -0.1363258 |
| *Cryobacteria* | 1 | -0.1363258 |
| *Leifsonia* | 1 | -0.1363258 |
| *Agrococcus* | 1 | -0.1363258 |
| *Exiguobacterium* | 1 | -0.1363258 |
| *Vibrio* | 1 | -0.1363258 |
| Sum | 23 | 2.95467321 |

(2) Genera and counts used to calculate Shannon’s Index for Biodiversity for all bull shark tissue sites

|  |  |  |
| --- | --- | --- |
| Genus | Number of times identified | Shannon Index |
| *Psychrobacter* | 2 | -0.3099542 |
| *Xanthomonas* | 2 | -0.3099542 |
| *Luteimonas* | 2 | -0.3099542 |
| *Stenotrophomonas* | 3 | -0.3543499 |
| *Pseudoxanthomonas* | 2 | -0.3099542 |
| Sum | 11 | 1.5941667 |

(3) Genera and counts used to calculate Shannon’s Index for Biodiversity for all tiger shark tissue sites.

|  |  |  |
| --- | --- | --- |
| Genus | Number of times identified | Shannon Index |
| *Psychrobacter* | 2 | -0.2517725 |
| *Salinicoccus* | 1 | -0.1666596 |
| *Kocuria* | 1 | -0.1666596 |
| *Arthrobacter* | 1 | -0.1666596 |
| *Nesterenkonia* | 1 | -0.1666596 |
| *Rothia* | 1 | -0.1666596 |
| *Micrococcus* | 1 | -0.1666596 |
| *Bacillus* | 2 | -0.2517725 |
| *Lysinibacillus* | 1 | -0.1666596 |
| *Paenisporosarcina* | 1 | -0.1666596 |
| *Planococcus* | 1 | -0.1666596 |
| *Exiguobacterium* | 1 | -0.1666596 |
| *Pseudoalteromonas* | 3 | -0.3061061 |
| Sum | 17 | 2.47624713 |

(4) Genera and counts used to calculate Shannon’s Index for Biodiversity for all water samples

|  |  |  |
| --- | --- | --- |
| Genus | Count | Shannon Index |
| *Photobacterium* | 1 | -0.2441361 |
| *Pseudoalteromonas* | 1 | -0.2441361 |
| *Thalassospira* | 1 | -0.2441361 |
| *Pseudomonas* | 1 | -0.2441361 |
| *Vibrio* | 3 | -0.3662041 |
| *Enterovibrio* | 1 | -0.2441361 |
| *Shewanella* | 1 | -0.2441361 |
| Sum | 9 | 1.83102048 |