**Supplementary Table 2.** Summary of genus infections in study sites across the Western Cape, South Africa (N = 27). The number of individual infections per genus is given for each site.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Site** | **Birds Sampled** | **Birds Infected** | ***Plasmodium* infections** | ***Haemoproteus* infections** | ***Leucocytozoon* infections** |
| ATH | 33 | 2 | 1 | 1 | 0 |
| CAP\* | 7 | 3 | 2 | 0 | 4 |
| COR | 14 | 3 | 2 | 1 | 2 |
| DAD\* | 52 | 8 | 7 | 1 | 5 |
| DRI\* | 61 | 33 | 14 | 3 | 30 |
| EGB | 14 | 5 | 2 | 0 | 3 |
| ESP | 39 | 3 | 2 | 0 | 1 |
| HAM\* | 16 | 9 | 4 | 2 | 4 |
| INT\* | 51 | 11 | 6 | 1 | 6 |
| KLP\* | 72 | 14 | 10 | 2 | 5 |
| KOG\* | 19 | 13 | 2 | 0 | 13 |
| KRA\* | 49 | 36 | 18 | 4 | 36 |
| LEMΔ | 10 | 4 | 2 | 1 | 1 |
| LPV# | 19 | 1 | 1 | 0 | 0 |
| MAT\* | 66 | 9 | 9 | 0 | 2 |
| MEE | 17 | 2 | 2 | 0 | 0 |
| NUW\* | 20 | 14 | 6 | 3 | 14 |
| OLY\* | 58 | 12 | 9 | 1 | 4 |
| POTΔ\* | 11 | 4 | 0 | 1 | 4 |
| RAD\* | 71 | 40 | 21 | 8 | 28 |
| RBS° | 11 | 0 | 0 | 0 | 0 |
| ROC | 72 | 18 | 14 | 0 | 5 |
| RON | 40 | 1 | 0 | 0 | 1 |
| STR | 31 | 3 | 1 | 0 | 2 |
| VES | 41 | 4 | 2 | 0 | 2 |
| WAY | 49 | 34 | 29 | 2 | 23 |
| WPD | 43 | 2 | 2 | 0 | 0 |

Shaded sites were excluded from host abundance/diversity analysis

ΔSites with sample data for only one season

\*Sites with co-infections

#Site with count data for only one season

°Site with no infection