| Model | K | Δ AICc | Weight |
| --- | --- | --- | --- |
| Disease Status \* Abundance + PLS Precipitation \* PLS Temperature + PreP Precipitation | 9 | 0.000 | 0.684 |
| Disease Status + PLS Precipitation \* PLS Temperature + PreP Precipitation | 7 | 2.320 | 0.214 |
| Disease Status + Abundance + PLS Precipitation \* PLS Temperature + PreP Precipitation | 8 | 4.546 | 0.070 |
| Disease Status \* Abundance | 5 | 8.050 | 0.012 |
| PLS Precipitation \* PLS Temperature + PreP Precipitation | 6 | 8.924 | 0.008 |
| Disease Status | 3 | 9.948 | 0.005 |
| Disease Status + Abundance | 4 | 10.743 | 0.003 |
| Abundance + PLS Precipitation \* PLS Temperature + PreP Precipitation | 7 | 11.125 | 0.003 |
| 1 | 2 | 16.268 | 0.000 |
| Abundance | 3 | 17.027 | 0.000 |