| Model | K | Δ AICc | Weight |
| --- | --- | --- | --- |
| Disease Status \* Abundance + PLS Precipitation \* PLS Temperature + PreP Precipitation | 9 | 0.000 | 0.662 |
| Disease Status + PLS Precipitation \* PLS Temperature + PreP Precipitation | 7 | 2.155 | 0.226 |
| Disease Status + Abundance + PLS Precipitation \* PLS Temperature + PreP Precipitation | 8 | 4.385 | 0.074 |
| Disease Status \* Abundance | 5 | 7.699 | 0.014 |
| PLS Precipitation \* PLS Temperature + PreP Precipitation | 6 | 8.406 | 0.010 |
| Disease Status | 3 | 9.268 | 0.006 |
| Disease Status + Abundance | 4 | 10.337 | 0.004 |
| Abundance + PLS Precipitation \* PLS Temperature + PreP Precipitation | 7 | 10.601 | 0.003 |
| 1 | 2 | 15.241 | 0.000 |
| Abundance | 3 | 16.267 | 0.000 |