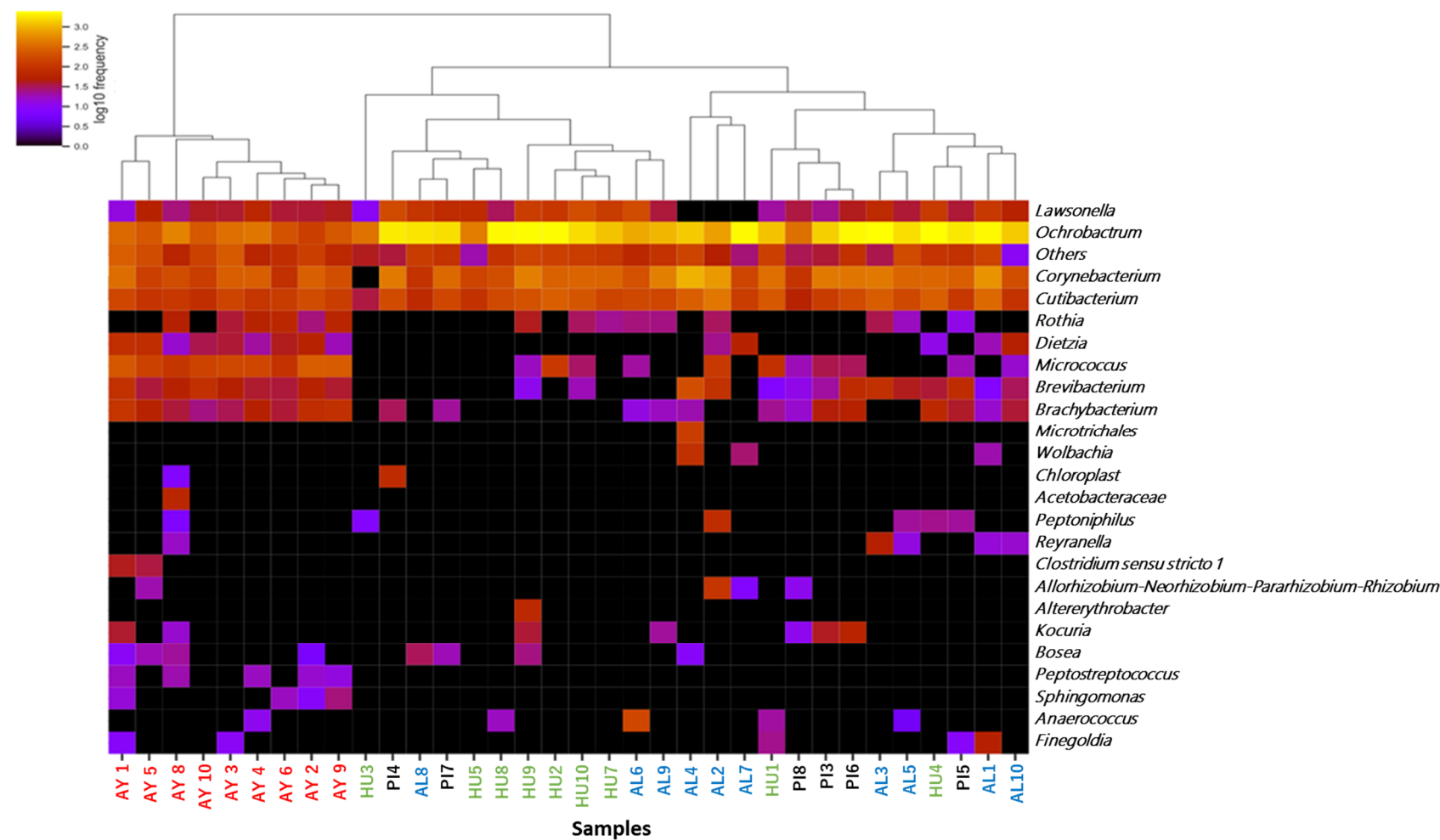
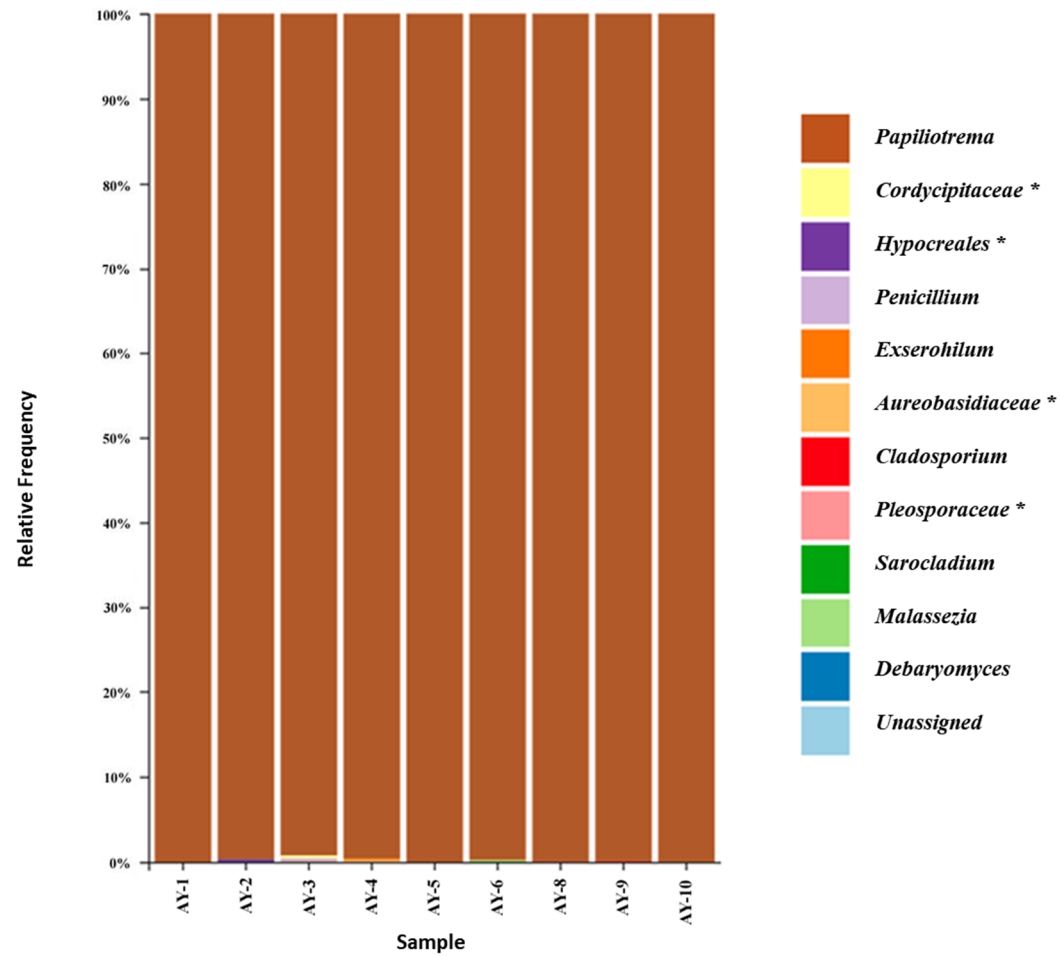


Figure S1



### Figure S2



**Table S1**

Sequence reads from each RNA sample collected from southern Peru.

| Genera              | Southern Peru (AY) samples |        |        |        |        |        |        |        |        |
|---------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                     | AY1                        | AY2    | AY3    | AY4    | AY5    | AY6    | AY8    | AY9    | AY10   |
| <i>Papiliotrema</i> | 172165                     | 180639 | 185748 | 178744 | 204773 | 157314 | 180939 | 181648 | 220767 |
| <i>Penicillium</i>  | 0                          | 0      | 503    | 0      | 0      | 0      | 0      | 0      | 0      |
| <i>Exserohilum</i>  | 0                          | 0      | 0      | 358    | 0      | 0      | 0      | 0      | 0      |
| <i>Cladosporium</i> | 0                          | 0      | 0      | 81     | 0      | 0      | 60     | 147    | 0      |
| <i>Sarocladium</i>  | 0                          | 0      | 0      | 0      | 0      | 177    | 0      | 0      | 0      |
| <i>Malassezia</i>   | 0                          | 0      | 62     | 0      | 0      | 0      | 0      | 0      | 20     |
| <i>Debaryomyces</i> | 0                          | 0      | 69     | 0      | 0      | 0      | 0      | 0      | 0      |
| <b>Others</b>       | 0                          | 572    | 827    | 317    | 0      | 184    | 0      | 0      | 0      |