

| Differentially abundant taxa      | 22 DPI                            | 38 DPI                            | <b>T test, <i>p</i> value</b> |
|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
| f__Gemmatimonadaceae (uncultured) | more abundant in infected birds   | -                                 | $p < 0.05$                    |
| g__Butyrivicoccus                 | more abundant in uninfected birds | -                                 | $p < 0.05$                    |
| g__Collinsella                    | more abundant in uninfected birds | -                                 | $p < 0.05$                    |
| g__Curtobacterium                 | more abundant in uninfected birds | -                                 | $p < 0.05$                    |
| g__Domibacillus                   | more abundant in infected birds   | -                                 | $p < 0.05$                    |
| g__Faecalibacterium               | more abundant in uninfected birds | -                                 | $p < 0.05$                    |
| g__Paenibacillus                  | more abundant in uninfected birds | -                                 | $p < 0.05$                    |
| g__Streptococcus                  | more abundant in infected birds   | -                                 | $p < 0.05$                    |
| g__Sutterella                     | more abundant in uninfected birds | -                                 | $p < 0.05$                    |
| g__Vulcaniibacterium              | more abundant in uninfected birds | -                                 | $p < 0.05$                    |
| c__Blastocatellia (11-24)         | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| c__Holophagae (Subgroup_7)        | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| f__Carnobacteriaceae              | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| f__Gemmatimonadaceae (uncultured) | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| f__Myxococcaceae                  | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| f__Nitrosomonadaceae (Ellin6067)  | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| f__Nitrosomonadaceae (MND1)       | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| g__Anoxybacillus                  | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| g__Blastococcus                   | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| g__Domibacillus                   | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| g__Gemmatimonas                   | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| g__Nitrospira                     | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| g__Sphingomonas                   | -                                 | more abundant in uninfected birds | $p < 0.05$                    |
| g__Streptococcus                  | -                                 | more abundant in uninfected birds | $p < 0.05$                    |

|                                    |   |                                   |            |
|------------------------------------|---|-----------------------------------|------------|
| g__Thermoactinomyces               | - | more abundant in uninfected birds | $p < 0.05$ |
| g__Vicinamibacteraceae             | - | more abundant in uninfected birds | $p < 0.05$ |
| o__Azospirillales (uncultured)     | - | more abundant in uninfected birds | $p < 0.05$ |
| o__Burkholderiales (TRA3-20)       | - | more abundant in uninfected birds | $p < 0.05$ |
| o__Solirubrobacterales (67-14)     | - | more abundant in uninfected birds | $p < 0.05$ |
| o__Vicinamibacterales (uncultured) | - | more abundant in uninfected birds | $p < 0.05$ |
| p__Desulfobacterota (uncultured)   | - | more abundant in uninfected birds | $p < 0.05$ |
| p__Gemmatimonadota (AKAU4049)      | - | more abundant in uninfected birds | $p < 0.05$ |
| p__Myxococcota (bacteriap25)       | - | more abundant in uninfected birds | $p < 0.05$ |