

Table S1

| Apiary ID | Family ID | March | | | May | | |
|-----------|-----------|-----------------------------|-------------------------------------|--------------------------------------|-----------------------------|-------------------------------------|--------------------------------------|
| | | Number of workers collected | Number of removed intestinal tracts | Number of pooled guts for sequencing | Number of workers collected | Number of removed intestinal tracts | Number of pooled guts for sequencing |
| 1 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 1 | b | 20 | 10 | | 20 | 10 | |
| 1 | c | 20 | 10 | | 20 | 10 | |
| 2 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 2 | b | 20 | 10 | | 20 | 10 | |
| 2 | c | 20 | 10 | | 20 | 10 | |
| 3 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 3 | b | 20 | 10 | | 20 | 10 | |
| 3 | c | 20 | 10 | | 20 | 10 | |
| 4 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 4 | b | 20 | 10 | | 20 | 10 | |
| 4 | c | 20 | 10 | | 20 | 10 | |
| 5 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 5 | b | 20 | 10 | | 20 | 10 | |
| 5 | c | 20 | 10 | | 20 | 10 | |
| 6 | a | 20 | 10 | 30 | 20 | 10 | 20 |
| 6 | b | 20 | 10 | | 20 | 10 | |
| 6 | c | 20 | 10 | | 0 | 0 | |
| 7 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 7 | b | 20 | 10 | | 20 | 10 | |
| 7 | c | 20 | 10 | | 20 | 10 | |
| 8 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 8 | b | 20 | 10 | | 20 | 10 | |
| 8 | c | 20 | 10 | | 20 | 10 | |
| 9 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 9 | b | 20 | 10 | | 20 | 10 | |
| 9 | c | 20 | 10 | | 20 | 10 | |
| 10 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 10 | b | 20 | 10 | | 20 | 10 | |
| 10 | c | 20 | 10 | | 20 | 10 | |
| 11 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 11 | b | 20 | 10 | | 20 | 10 | |
| 11 | c | 20 | 10 | | 20 | 10 | |
| 12 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 12 | b | 20 | 10 | | 20 | 10 | |
| 12 | c | 20 | 10 | | 20 | 10 | |
| 13 | a | 20 | 10 | 30 | 20 | 10 | 20 |
| 13 | b | 20 | 10 | | 20 | 10 | |
| 13 | c | 20 | 10 | | 0 | 0 | |
| 14 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 14 | b | 20 | 10 | | 20 | 10 | |
| 14 | c | 20 | 10 | | 20 | 10 | |
| 15 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 15 | b | 20 | 10 | | 20 | 10 | |
| 15 | c | 20 | 10 | | 20 | 10 | |
| 16 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 16 | b | 20 | 10 | | 20 | 10 | |
| 16 | c | 20 | 10 | | 20 | 10 | |
| 17 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 17 | b | 20 | 10 | | 20 | 10 | |
| 17 | c | 20 | 10 | | 20 | 10 | |
| 18 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 18 | b | 20 | 10 | | 20 | 10 | |
| 18 | c | 20 | 10 | | 20 | 10 | |
| 19 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 19 | b | 20 | 10 | | 20 | 10 | |
| 19 | c | 20 | 10 | | 20 | 10 | |
| 20 | a | 20 | 10 | 30 | 20 | 10 | 30 |
| 20 | b | 20 | 10 | | 20 | 10 | |
| 20 | c | 20 | 10 | | 20 | 10 | |