**Table S2.**  Full-sib analysis of the predicted queens from the same colonies

|  |  |  |
| --- | --- | --- |
| Colony | No. of queen | Full-sib observation |
| Sge03 | 5 | Single full-sib family comprising four queens |
| Sge04 | 4 | Single full-sib family comprising three queens |
| Sge05 | 3 | None were full-sibs |
| Sge06 | 4 | Single full-sib family comprising three queens |
| Sge09 | 2 | Single full-sib family comprising all two queens |
| Sge10 | 3 | Single full-sib family comprising all three queens |
| Sge27 | 7 | Two full-sibs families comprising three and four queens |
| Sge28 | 4 | Single full-sib family comprising two queens |
| Sge30 | 4 | Two full-sib families both comprising two queens |
| Sge31 | 4 | Single full-sib family comprising two queens |
| Sge34 | 5 | Single full-sib family comprising two queens |
| Sge39 | 5 | Single full-sib family comprising three queens |
| Sge17 | 3 | Single full-sib family comprising two queens |
| Sge01 | 3 | None were full sibs |
| Sge02 | 2 | Single full-sib family comprising all two queens |
| Sge15 | 4 | Single full-sib family comprising three queens |
| Sge18 | 4 | Two full-sib families both comprising two queens |
| Sge19 | 3 | Single full-sib family comprising all three queens |
| Sge13 | 4 | Single full-sib family comprising two queens |
| Sge25 | 4 | Single full-sib family comprising two queens |
| Sge32 | 3 | Single full-sib family comprising two queens |
| Sge36 | 2 | None were full sibs |