# Supplementary material

**Table S1** Results of one-way ANOVA with Tukey-Kramer post-hoc test for vesiculate pollen percentages among the different extraction methods.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **One-way ANOVA** | Sum of squares | df | Mean square | F | p(same) |
| Between groups | 9838.16 | 5 | 1967.63 | 11.99 | 7.89 |
| Within groups | 8859.28 | 54 | 164.06 |  |  |
| Total | 18697.40 | 59 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tukey-Kramer post-hoc test** | | Extraction method | | | | | |  |
| BRUGGER | LIU | YANG | EICHLER | FESTI | SHORT | p(same) |
| Extraction method | BRUGGER |  | 1 | 0.76 | <0.01 | <0.01 | 1.00 |
| LIU | 0.17 |  | 0.69 | <0.01 | <0.01 | 1.00 |
| YANG | 1.91 | 2.07 |  | <0.01 | <0.01 | 0.89 |
| EICHLER | 5.79 | 5.62 | 7.70 |  | 1.00 | <0.01 |
| FESTI | 6.23 | 6.08 | 8.15 | 0.46 |  | <0.01 |
| SHORT | 0.39 | 0.55 | 1.52 | 6.18 | 6.63 |  |
|  |  | Q statistics | | | | | |  |

**Table S2** Results of one-way ANOVA with Tukey-Kramer post-hoc test for marker ratios among the different extraction methods.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **One-way ANOVA** | Sum of squares | df | Mean square | F | p(same) |
| Between groups | 0.33 | 5 | 0.07 | 2.90 | 0.02 |
| Within groups | 1.21 | 54 | 0.02 |  |  |
| Total | 1.54 | 59 |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tukey-Kramer post-hoc test** | | Extraction method | | | | | |  |
| BRUGGER | LIU | YANG | EICHLER | FESTI | SHORT | p(same) |
| Extraction method | BRUGGER |  | 0.96 | 0.30 | 0.04 | 0.33 | 1.00 |
| LIU | 1.17 |  | 0.80 | 0.26 | 0.83 | 0.99 |
| YANG | 2.98 | 1.81 |  | 0.94 | 1.00 | 0.41 |
| EICHLER | 4.26 | 3.10 | 1.29 |  | 0.92 | 0.07 |
| FESTI | 2.88 | 1.72 | 0.09 | 1.38 |  | 0.45 |
| SHORT | 0.28 | 0.89 | 2.70 | 3.99 | 2.61 |  |
|  |  | Q statistics | | | | | |  |