**Appendix**

**Appendix 1**. ANOVA table of the effect of combined factors on square root transformed seed set in 2020.

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| --- |
| **Analysis of Variance** |
| **Source** | **DF** | **Mean Square** | **F Ratio** | **Pr (>F)** |
| treat | 17 | 3505.1 | 42.916 | <0.0001\*\*\* |
| Residuals | 147 | 81.7 |  |  |

**Appendix 2**. ANOVA table of the effect of combined factors on square root transformed seed set in 2021.

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| **Analysis of Variance** |
| **Source** | **DF** | **Mean Square** | **F Ratio** | **Pr (>F)** |
| treat | 32 | 33.657 | 43.602 | <0.0001\*\*\* |
| Residuals | 192 | 0.772 |  |  |

**Appendix 3**. Analysis of Variance for all crossed treatments of hand pollination experiments on square root transformed seed set in 2020.

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| **Analysis of Variance** |
| **Source** | **DF** | **Sum of Squares** | **Mean Square** | **F Ratio** | **Pr (>F)** |
| Treatment | 2 | 162.666 | 81.333 | 88.528 | <0.0001\*\*\* |
| Dose | 4 | 69.925 | 17.481 | 19.027 | <0.0001\*\*\* |
| Treatment: Dose | 8 | 49.927 | 6.241 | 6.793 | <0.0001\*\*\* |
| Residuals | 60 | 55.123 | 0.919 |  |  |

**Appendix 4**. Analysis of Variance for all crossed treatments of hand pollination experiments on square root transformed seed set in 2021.

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| **Analysis of Variance** |
| **Source** | **DF** | **Sum of Squares** | **Mean Square** | **F Ratio** | **Pr (>F)** |
| Treatment | 5 | 276.539 | 55.308 | 91.2214 | <0.0001\*\*\* |
| Dose | 4 | 61.534 | 15.383 | 25.3726 | <0.0001\*\*\* |
| Treatment: Dose | 20 | 57.161 | 2.858 | 4.7139 | <0.0001\*\*\* |
| Residuals | 120 | 72.756 | 0.606 |  |  |