**S7 Appendix.** *P* values obtained for different transgenic events at different time points after carrying out one-way ANOVA and further analyzing data using Tukey`s HSD analysis. *P* values <0.05 were considered as significantly different.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Age of plants | Name of events | P | Year | Age of plants | Name of events | p |
| 2014 | 20 d (leaf tissues) | Tg2E-13 Versus BioCot-2 | 0.7103691 | 2015 | 30 d (leaf tissues) | Tg2E-13 Versus BioCot-2 | 0.5298960 |
| TM-2 versus BioCot-2 | 0.0416787 |
| TM-2 versus BioCot-2 | 0.0000168 | TM-2 versus Tg2E-13 | 0.5699177 |
| Tg2E-13 versus F1 | 0.0001776 |
| TM-2 versus Tg2E-13 | 0.0001175 | TM-2 versus F1 | 0.0052634 |
| F1 versus BioCot-2 | 0.0000062 |
| 60 d (leaf tissues) | Tg2E-13 Versus BioCot-2 | 0.0002927 | 60 d (leaf tissues) | Tg2E-13 Versus BioCot-2 | 0.0052718 |
| TM-2 versus BioCot-2 | 0.0000081 | TM-2 versus BioCot-2 | 0.0006009 |
| TM-2 versus Tg2E-13 | 0.8688246 |
| TM-2 versus Tg2E-13 | 0.2386442 | Tg2E-13 versus F1 | 0.0662076 |
| TM-2 versus F1 | 0.3533270 |
| F1 versus BioCot-2 | 0.0000009 |
| 90 d (leaf tissues) | Tg2E-13 Versus BioCot-2 | 0.0000996 | 100 d (leaf tissues) | Tg2E-13 Versus BioCot-2 | 0.0122641 |
| TM-2 versus BioCot-2 | 0.0962580 |
| TM-2 versus BioCot-2 | 0.0152798 | TM-2 versus Tg2E-13 | 0.8573378 |
| Tg2E-13 versus F1 | 0.0013919 |
| TM-2 versus Tg2E-13 | 0.0919103 | TM-2 versus F1 | 0.0001519 |
| F1 versus BioCot-2 | 0.0000032 |
| 120 d (leaf tissues) | Tg2E-13 Versus BioCot-2 | 0.0059903 | 120 d (leaf tissues) | Tg2E-13 Versus BioCot-2 | 0.0006313 |
| TM-2 versus BioCot-2 | 0.7273015 |
| TM-2 versus BioCot-2 | 0.1794402 | TM-2 versus Tg2E-13 | 0.0103632 |
| Tg2E-13 versus F1 | 0.2555899 |
| TM-2 versus Tg2E-13 | 0.3217205 | TM-2 versus F1 | 0.0000925 |
| F1 versus BioCot-2 | 0.0000067 |
| Flower bud | Tg2E-13 Versus BioCot-2 | 0.0000520 | Flower bud | Tg2E-13 Versus BioCot-2 | 0.0006709 |
| TM-2 versus BioCot-2 | 0.0000003 |
| TM-2 versus BioCot-2 | 0.0001096 | TM-2 versus Tg2E-13 | 0.0000000 |
| Tg2E-13 versus F1 | 0.9511016 |
| TM-2 versus Tg2E-13 | 0.0000000 | TM-2 versus F1 | 0.0000000 |
| F1 versus BioCot-2 | 0.0033600 |
| Bracts | Tg2E-13 Versus BioCot-2 | 0.0000096 | Bracts | Tg2E-13 Versus BioCot-2 | 0.0000021 |
| TM-2 versus BioCot-2 | 0.0000022 |
| TM-2 versus BioCot-2 | 0.0000001 | TM-2 versus Tg2E-13 | 0.9999999 |
| Tg2E-13 versus F1 | 0.0021265 |
| TM-2 versus Tg2E-13 | 0.0371200 | TM-2 versus F1 | 0.0020260 |
| F1 versus BioCot-2 | 0.0000000 |
| Root | Tg2E-13 Versus BioCot-2 | 0.0001702 |
| TM-2 versus BioCot-2 | 0.0004906 |
| TM-2 versus Tg2E-13 | 0.0000000 |
| Cotyledon | Tg2E-13 Versus BioCot-2 | 0.0001702 |
| TM-2 versus BioCot-2 | 0.0004906 |
| TM-2 versus Tg2E-13 | 0.0000000 |