**Supplement 3:** Mixed model analyses for (A) constitutive defenses, (B) induced defenses. “Total Constitutive” and “Total Induced” represent combined Relative Quantification (RQ) values for each of the individual genes tested. \* = Significant effects (p<0.05), † = Marginal effects (0.05<p<0.07).

**A.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model Parameter** |  | **Total Constitutive** | | **LOX3** | | **RIP2** | | **MPI** | |
| **df** | **F** | **p** | **F** | **p** | **F** | **p** | **F** | **p** |
| **Δ Height** | 1,18 | 0.98 | 0.3355 | 1.58 | 0.2245 | 0.15 | 0.7008 | 2.45 | 0.1349 |
| **% AMF** | 1,18 | 1.35 | 0.2597 | 2.44 | 0.1354 | 0.18 | 0.6790 | 2.87 | 0.1076 |
| **Δ Height \* % AMF** | 1,18 | 0.82 | 0.3768 | 1.45 | 0.2449 | 0.11 | 0.7492 | 1.73 | 0.2053 |
| **B.** | | | | | | | | | |
| **Model Parameter** |  | **Total Induced** | | **LOX3** | | **RIP2** | | **MPI** | |
| **df** | **F** | **p** | **F** | **p** | **F** | **p** | **F** | **p** |
| **Δ Height** | 1,15 | 3.9 | 0.0671† | 2.73 | 0.1195 | 2.35 | 0.1458 | 1.94 | 0.1840 |
| **# Larvae** | 1,15 | 0.52 | 0.4802 | 0.81 | 0.3822 | 0.43 | 0.5219 | 0.02 | 0.8832 |
| **% AMF** | 1,15 | 1.65 | 0.2178 | 1.03 | 0.3262 | 1.34 | 0.2647 | 0.49 | 0.4952 |
| **Δ Height \* # Larvae** | 1,15 | 2.26 | 0.1534 | 1.19 | 0.2928 | 1.35 | 0.2637 | 2.08 | 0.1696 |
| **Δ Height \* % AMF** | 1,15 | 5.78 | 0.0296\* | 4.05 | 0.0624† | 4.26 | 0.0568† | 2.11 | 0.1673 |
| **# Larvae \* % AMF** | 1,15 | 4.68 | 0.0471\* | 4.61 | 0.0485\* | 2.99 | 0.1041 | 1.72 | 0.2090 |