**Supplementary Table 2** Tukey’s multiple comparison test of data from Table 1.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Multiple Comparison Test** | **Mean Diff.** | **q** |  **P < 0.05?** | **Summary** | **95% CI of diff** |
| **NqO1** |  |  |  |  |  |
| X vs P | -1.248 | 2.864 | No | ns | -3.139 to 0.6427 |
| X vs PX | -4.123 | 9.461 | Yes | \*\* | -6.014 to -2.232 |
| P vs PX | -2.875 | 6.596 | Yes | \*\* | -4.766 to -0.9838 |
| **GSTM1** |  |  |  |  |  |
| X vs P | -0.1918 | 1.288 | No | ns | -0.8380 to 0.4544 |
| X vs PX | -1.953 | 13.12 | Yes | \*\*\* | -2.600 to -1.307 |
| P vs PX | -1.762 | 11.83 | Yes | \*\*\* | -2.408 to -1.115 |
| **NRF2** |   |   |   |   |   |
| X vs P | 0.03274 | 0.605 | No | ns | -0.2022 to 0.2677 |
| X vs PX | -1.526 | 28.18 | Yes | \*\*\* | -1.761 to -1.291 |
| P vs PX | -1.559 | 28.79 | Yes | \*\*\* | -1.794 to -1.324 |
| **MET1** |   |   |   |   |   |
| X vs P | -2.226 | 5.082 | Yes | \* | -4.127 to -0.3255 |
| X vs PX | -6.64 | 15.16 | Yes | \*\*\* | -8.541 to -4.739 |
| P vs PX | -4.414 | 10.07 | Yes | \*\*\* | -6.314 to -2.513 |
| **HO1** |   |   |   |   |   |
| X vs P | -1.473 | 8.474 | Yes | \*\* | -2.227 to -0.7185 |
| X vs PX | -1.405 | 8.082 | Yes | \*\* | -2.159 to -0.6505 |
| P vs PX | 0.06801 | 0.391 | No | ns | -0.6860 to 0.8221 |
| **CAT** |   |   |   |   |   |
| X vs P | -0.2725 | 2.027 | No | ns | -0.8560 to 0.3109 |
| X vs PX | -0.8778 | 6.528 | Yes | \*\* | -1.461 to -0.2944 |
| P vs PX | -0.6053 | 4.502 | Yes | \* | -1.189 to -0.02187 |

X = xaliproden; P= paraquat; PX= paraquat plus xaliproden; ns= not significant; \* =0.01 to 0.05; \*\*= 0.001 to 0.01; \*\*\*=0.0001 to 0.001. q=$\sqrt{(2}×D÷SED)$, where D is difference in means and SED is the standard error of that difference.