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| **Supplemental Table 3: Mutagenicity of IQ preincubated with yeast extracts in the Ames assay** | | | |
| **Extract Source** | **40 μM IQ1,2** | **400 μM IQ1,2** |
| BY4743 | 14 ± 12 | 7 ± 1 |
| BY4743 expressing CYP1A2 | 50 ± 15 (2.5)\* | 80 ± 11 (11)\*\* |
| BY4743 expressing CYP1A2 and NAT2 | 34 ± 3 (1.4)NS | 125 ± 14 (17)\*\*\* |
| 1: Net colonies of *Salmonella typhimurium* TA100 ± one standard deviation, in parentheses: ratio of net colonies from experiment with yeast microsomes and cytosolic extract including pCYP1A2 or pCYP1A2\_NAT2 vs colonies from experiment with BY4743 microsomes.  2: N=3, asterisks denote p-value from Dunnett’s test comparing replicates from a single IQ dose preincubated with the varying yeast extracts. \*: p < 0.05; \*\*: p < 0.01; \*\*\*: p < 0.001; NS: Not significant | | | |