**Figure 6 – Source Data 1**: Significance values between different stimulation strengths for secretion experiments from Figure 6A.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Secreted Product | Condition | Stimulation | Relative Amount | Number of Experiments | P-Value |
| C-peptide-GFP | untreated | 25 mM KCl | 0.39 ± 0.07 | 3 | 0.0008 |
| 90 mM KCl | 1.00 ± 0.09 | 3 |
| FFA | 25 mM KCl | 0.5 ± 0.1 | 3 | 1 |
| 90 mM KCl | 0.5 ± 0.1 | 3 |
| cytokine | 25 mM KCl | 0.10 ± 0.06 | 3 | 0.0044 |
| 90 mM KCl | 0.8 ± 0.2 | 3 |
| ATP | untreated | 25 mM KCl | 1.06 ± 0.08 | 3 | 0.3574 |
| 90 mM KCl | 1.00 ± 0.06 | 3 |
| FFA | 25 mM KCl | 1.2 ± 0.2 | 3 | 0.499 |
| 90 mM KCl | 1.1 ± 0.12 | 3 |
| cytokine | 25 mM KCl | 0.26 ± 0.08 | 3 | 0.3233 |
| 90 mM KCl | 0.4 ± 0.2 | 3 |
| Glutamate | untreated | 25 mM KCl | 0.08 ± 0.06 | 3 | 0.0001 |
| 90 mM KCl | 1.00 ± 0.03 | 3 |
| FFA | 25 mM KCl | 0.07 ± 0.06 | 3 | 0.3227 |
| 90 mM KCl | 0.13 ± 0.07 | 3 |
| cytokine | 25 mM KCl | 0.09 ± 0.1 | 3 | 0.001 |
| 90 mM KCl | 1.2 ± 0.2 | 3 |

P-values are from simple unpaired Student’s t-tests. They were not corrected for multiple comparisons.