Table 1. Wilcoxon signed-rank paired t-tests.

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| **Comparison** | **MDE**  (μmol CO2 m−2**·**s−1) | **V Statistic** | **p-value** | **Effect Size**  (μmol CO2 m−2**·**s−1) | **95% CI of the MDE**  (μmol CO2 m−2**·**s−1) |
| **DAT vs. SS: TPU-Enabled** | | | | | |
| Vcmax (n = 27 pairs) | -0.78 | 115 | 0.08 | 0.342 | -1.68, 0.09 |
| Jmax (n = 27 pairs) | -5.64 | 10 | < 0.01\*\*\*\* | 0.828 | -7.83, -3.91 |
| \*TPU (n = 6 pairs) | -1.88 | 0 | 0.03\* | 0.899 | -3.00, -1.17 |
| **DAT vs. SS: No TPU** | | | | | |
| Vcmax (n = 27 pairs) | -1.69 | 78 | < 0.01\*\* | 0.513 | -3.18, -0.48 |
| Jmax (n = 27 pairs) | -8.87 | 4 | < 0.01\*\*\*\* | 0.855 | -13.40, -5.01 |
| **DAT vs. SS: TPU-Enabled, Only Curves without Overshoot** | | | | | |
| Vcmax (n = 19 pairs) | -0.96 | 46 | 0.05\* | 0.452 | -1.92, -0.06 |
| Jmax (n = 19 pairs) | -4.34 | 10 | < 0.01\*\*\* | 0.785 | -6.02, -2.51 |
| **DAT vs. SS: No TPU, Only Curves without Overshoot** | | | | | |
| Vcmax (n = 19 pairs) | -1.47 | 36 | 0.02\* | 0.545 | -2.71, -0.25 |
| Jmax (n = 19 pairs) | -4.59 | 4 | < 0.01\*\*\* | 0.840 | -7.15, -2.89 |

This tests whether the median of the paired differences differs from a hypothetical zero. The ‘median difference estimate’ (MDE) is a location parameter for the median difference (DAT minus SS), with an approximate 95% confidence interval. The test statistic ‘V’ refers to the sum of the positive-signed rank differences. Stars next to a given p-value represent the degree of significance (\* = p ≤ 0.05; \*\* = p ≤ 0.01; \*\*\* = p ≤ 0.001; \*\*\*\* = p ≤ 0.0001). The effect size is the Z statistic divided by √n, where n is the sample size. Note the small sample size makes comparisons underpowered for the TPU comparison (indicated with \* in the first column).