**Supplementary table 2: Analysis of linear regressions of overshoot results.**

| Nozzle size | 167 µm | | 257 µm | | 332 µm | | 446 µm | 551 µm | All nozzle sizes | |
|---|---|---|---|---|---|---|---|---|---|---|
| | All data | Without outliers | All data | Without outliers | All data | Without outliers | All data | All data | All data | Without outliers |
| **Best-fit values** | | | | | | | | | | |
| Slope | 0.5495 | 0.5695 | 0.4184 | 0.6655 | -0.1578 | 0.7289 | 0.4156 | 0.3614 | 0.4122 | 0.6182 |
| Y-intercept | 33.62 | 15.94 | 15.52 | 0.96 | 41.69 | -0.3314 | 10.89 | 2.202 | 22.66 | 5.555 |
| X-intercept | -61.18 | -27.99 | -37.09 | -1.443 | 264.2 | 0.4547 | -26.21 | -6.092 | -54.98 | -8.985 |
| 1/slope | 1.82 | 1.756 | 2.39 | 1.503 | -6.338 | 1.372 | 2.406 | 2.767 | 2.426 | 1.618 |
| **Standard error** | | | | | | | | | | |
| Slope | 0.3447 | 0.1226 | 0.2261 | 0.04574 | 0.4027 | 0.03407 | 0.05905 | 0.05938 | 0.1654 | 0.05773 |
| Y-intercept | 13.91 | 5.027 | 10.02 | 2.071 | 14.34 | 1.335 | 1.858 | 2.143 | 6.471 | 2.314 |
| **95% confidence interval** | | | | | | | | | | |
| Slope | -0.16 to 1.256 | 0.3146 to 0.8244 | -0.05326 to 0.8900 | 0.5697 to 0.7612 | -1.028 to 0.7121 | 0.6530 to 0.8048 | 0.2840 to 0.5472 | 0.2210 to 0.5018 | 0.08342 to 0.7411 | 0.5032 to 0.7332 |
| Y-intercept | 5.119 to 62.12 | 5.485 to 26.40 | -5.374 to 36.41 | -3.375 to 5.295 | 10.72 to 72.66 | -3.305 to 2.642 | 6.752 to 15.03 | -2.866 to 7.270 | 9.801 to 35.53 | 0.9441 to 10.17 |
| X-intercept | -infinity to -4.321 | -81.44 to -6.854 | -infinity to 6.696 | -9.101 to 4.529 | 63.80 to +infinity | -4.010 to 4.144 | -52.00 to -12.56 | -32.67 to 5.750 | -408.8 to -13.78 | -19.85 to -1.310 |
| **Goodness of fit** | | | | | | | | | | |
| R squared | 0.08322 | 0.5069 | 0.1462 | 0.9176 | 0.01167 | 0.9786 | 0.832 | 0.8411 | 0.06736 | 0.6046 |
| Sy.x | 34.83 | 10.97 | 25.49 | 5.004 | 25.93 | 1.871 | 2.812 | 1.287 | 28.95 | 9.41 |
| **Slope significant** | | | | | | | | | | |
| F | 2.542 | 21.59 | 3.424 | 211.6 | 0.1535 | 457.7 | 49.53 | 37.05 | 6.211 | 114.7 |
| DFn, DFd | 1, 28 | 1, 21 | 1, 20 | 1, 19 | 1, 13 | 1, 10 | 1, 10 | 1, 7 | 1, 86 | 1, 75 |
| P value | 0.1221 | 0.0001 | 0.0791 | <0.0001 | 0.7015 | <0.0001 | <0.0001 | 0.0005 | 0.0146 | <0.0001 |
| Dev. from zero? | Not significant | Significant | Not significant | Significant | Not significant | Significant | Significant | Significant | Significant | Significant |
| **Data** | | | | | | | | | | |
| Number of X values | 40 | 40 | 68 | 68 | 88 | 88 | 104 | 116 | 232 | 232 |
| Max. number of Y repetitions | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 |
| Total number of values | 30 | 23 | 22 | 21 | 15 | 12 | 12 | 9 | 88 | 77 |
| **Outliers** | | | | | | | | | | |
| Number of outliers | 7 | | 1 | | 3 | | 0 | 0 | 11 | |
| Percentage of total | 23% | | 4.5% | | 20% | | 0.0% | 0.0% | 13% | |

Regressions with and without outliers are calculated if applicable (outliers are replicates above 60% overshoot). All regression data were calculated using GraphPad Prism 8.