**Supplementary Table 5. Estimated Fold Change (FC) with their respective p-values for the expression of each gene at time-point 4 only (three months post MDA), comparing MDA treated (after time-point 3) to untreated individuals.** Multivariable linear regression of all individuals adjusted (first panel) and not adjusted (second panel) for *C. trachomatis* infection. Results are ordered by FC of adjusted data with infection. Benjamini and Hochberg approach was used to adjust for multiple comparisons, in order to control false discovery rate <5%, only tests with a p-value <0.009 are considered statistically significant.

|  |  |  |
| --- | --- | --- |
| **Target** | **Adjusted for infection** | **Not adjusted for infection** |
| **FC** | **p-value** | **FC** | **p-value** |
| SPARCL1 | 2.06 | 3.10x10^-04 | 2.34 | 2.55 x10^-5 |
| MUC5AC | 1.44 | 0.011 | 1.62 | 9.45 x10^-4 |
| MUC7 | 1.28 | 0.081 | 1.35 | 0.030 |
| CDH2 | 1.27 | 0.062 | 1.30 | 0.037 |
| NCAM1 | 1.19 | 0.055 | 1.19 | 0.048 |
| IFNG | 1.16 | 0.225 | 1.03 | 0.802 |
| S100A4 | 1.08 | 0.238 | 1.14 | 0.052 |
| MZB1 | 1.07 | 0.660 | 0.97 | 0.820 |
| NCR1 | 1.05 | 0.568 | 0.99 | 0.904 |
| CDH1 | 1.03 | 0.701 | 1.05 | 0.464 |
| CD247 | 1.02 | 0.748 | 0.97 | 0.668 |
| IL12B | 1.01 | 0.890 | 0.92 | 0.468 |
| VIM | 1.00 | 0.950 | 0.97 | 0.599 |
| TGFB1 | 0.98 | 0.738 | 0.96 | 0.429 |
| SERPINB4 | 0.97 | 0.913 | 0.89 | 0.700 |
| ALOX5 | 0.95 | 0.389 | 0.98 | 0.725 |
| CCL2 | 0.95 | 0.602 | 0.89 | 0.247 |
| PDGFB | 0.95 | 0.440 | 0.93 | 0.300 |
| IL6 | 0.94 | 0.627 | 0.91 | 0.479 |
| MMP9 | 0.94 | 0.552 | 0.90 | 0.331 |
| CTGF | 0.93 | 0.462 | 0.94 | 0.529 |
| IL23A | 0.93 | 0.340 | 0.88 | 0.110 |
| GAPDH | 0.92 | 0.330 | 0.91 | 0.275 |
| MMP7 | 0.91 | 0.370 | 0.93 | 0.520 |
| SOCS1 | 0.90 | 0.183 | 0.86 | 0.057 |
| MUC1 | 0.88 | 0.046 | 0.89 | 0.071 |
| IL8 | 0.88 | 0.208 | 0.88 | 0.203 |
| CD274 | 0.87 | 0.088 | 0.80 | 0.006 |
| CCL20 | 0.86 | 0.199 | 0.84 | 0.123 |
| PTGS2 | 0.85 | 0.100 | 0.84 | 0.083 |
| IL10 | 0.85 | 0.028 | 0.80 | 0.004 |
| IL1B | 0.84 | 0.083 | 0.81 | 0.034 |
| CXCL13 | 0.82 | 0.199 | 0.74 | 0.051 |
| MUC4 | 0.82 | 0.015 | 0.84 | 0.024 |
| FGF2 | 0.78 | 0.134 | 0.79 | 0.132 |
| SOCS3 | 0.78 | 0.008 | 0.76 | 0.003 |
| DUOX2 | 0.76 | 0.017 | 0.73 | 0.005 |
| IL19 | 0.74 | 0.018 | 0.69 | 0.003 |
| IL21 | 0.74 | 0.041 | 0.64 | 0.004 |
| CCL18 | 0.73 | 0.042 | 0.67 | 0.008 |
| IL17A | 0.73 | 0.013 | 0.66 | 0.001 |
| IL22 | 0.72 | 0.110 | 0.64 | 0.030 |
| MMP12 | 0.71 | 0.009 | 0.66 | 0.001 |
| DEFB4A | 0.71 | 0.068 | 0.69 | 0.042 |
| S100A7 | 0.70 | 0.030 | 0.63 | 0.005 |
| IDO1 | 0.64 | 8.99 x10^-4 | 0.59 | 1.03 x10^-4 |
| CXCL5 | 0.57 | 4.02E-04 | 0.56 | 1.98E-04 |