**Supplementary Table 1. Pairwise comparisons of adenosine triphosphate, CYP3A4, cytokines and triglyceride content in 3D human liver coculture**

| **Biochemical measurement** | **Day** | **Fold-**  **change** | **95% CI** | ***p*-value** | **Adjusted *p*-value** |
| --- | --- | --- | --- | --- | --- |
| **Adenosine triphosphate** | 6 vs. 3 | 2.1 | [0.6; 15.6] | 0.44 | 1.00 |
| 8 vs. 6 | 0.4 | [0.0; 1.9] | 0.08 | 0.41 |
| 10 vs. 8 | 1.1 | [0.0; 1269.4] | 0.48 | 1.00 |
| 13 vs. 10 | 1.1 | [0.0; 494.6] | 0.68 | 1.00 |
| 15 vs. 13 | 1.0 | [0.5; 93.0] | 0.73 | 1.00 |
| **CYP3A4** | 6 vs. 3 | 0.8 | [0.1; 7.0] | 0.85 | 1.00 |
|  | 8 vs. 6 | 0.5 | [0.1; 3.9] | 0.43 | 1.00 |
|  | 10 vs. 8 | 3.4 | [0.6; 20.6] | 0.16 | 0.81 |
|  | 13 vs. 10 | 1.4 | [0.3; 7.3] | 0.63 | 1.00 |
|  | 15 vs. 13 | 0.8 | [0.1; 4.9] | 0.80 | 1.00 |
| **IL6** | 6 vs. 3 | 1.7 | [1.2; 4.4] | 0.35 | 1.00 |
|  | 8 vs. 6 | 2.5 | [0.8; 12.6] | 0.80 | 1.00 |
|  | 10 vs. 8 | 0.2 | [0.0; 0.5] | 0.30 | 1.00 |
|  | 13 vs. 10 | 0.6 | [0.2; 18.0] | 0.95 | 1.00 |
|  | 15 vs. 13 | 0.6 | [0.0; 78.8] | 0.31 | 1.00 |
| **CXCL8** | 6 vs. 3 | 1.5 | [0.2; 3.5] | 0.89 | 1.00 |
|  | 8 vs. 6 | 3.0 | [0.1; 45.3] | 0.99 | 1.00 |
|  | 10 vs. 8 | 0.2 | [0.0; 4.9] | 0.63 | 1.00 |
|  | 13 vs. 10 | 1.3 | [0.0; 13.6] | 0.85 | 1.00 |
|  | 15 vs. 13 | 0.5 | [0.1; 23.0] | 0.36 | 1.00 |
| **CXCL10** | 6 vs. 3 | 0.8 | [0.0; 22.2] | 0.89 | 1.00 |
|  | 8 vs. 6 | 33.8 | [2.1; 538.4] | **0.02** | 0.08 |
|  | 10 vs. 8 | 0.3 | [0.0; 4.3] | 0.37 | 1.00 |
|  | 13 vs. 10 | 1.4 | [0.1; 17.9] | 0.76 | 1.00 |
|  | 15 vs. 13 | 0.3 | [0.0; 4.2] | 0.36 | 1.00 |
| **Triglyceride** | 6 vs. 3 | 2.4 | [0.8; 7.1] | 0.10 | 0.49 |
|  | 8 vs. 6 | 0.6 | [0.1; 2.8] | 0.49 | 1.00 |
|  | 10 vs. 8 | 0.9 | [0.2; 3.8] | 0.87 | 1.00 |
|  | 13 vs. 10 | 0.7 | [0.3; 1.6] | 0.31 | 1.00 |
|  | 15 vs. 13 | 1.6 | [0.6; 4.3] | 0.29 | 1.00 |

*p*-values and adjusted *p*-values were considered significant at 5% and are presented in bold.

Adjusted *p*-values were obtained after a two-way ANOVA with random effects modeling followed by Bonferroni-Holm correction.  
Fold-changes (with 95% confidence interval (CI)) were obtained with back transformation of the log estimated difference for CYP3A4, CKCL10 and triglycerides, or with Hodges-Lehmann's estimations for other cytokines.