**Supplementary Table 1. Repeated measures analysis of variance of serum markers**

| 　 | **AST (U/L)** |
| --- | --- |
| **Control (G1)** | **TAA (G2)** | **TAA+SY(G3)** | **G1 vs. G2** | **G1 vs. G3** | **G2 vs. G3** |
| **Mean** | **SD** | **Mean** | **SD** | **Mean** | **SD** | ***p*** |
| Week | 0 | 95.62 | 14.70 | 94.24 | 8.01 | 94.62 | 20.48 | n.s | n.s | n.s |
| 2 | 84.02 | 6.87 | 135.46 | 49.71 | 122.00 | 23.27 | n.s | n.s | n.s |
| 4 | 89.70 | 10.29 | 154.16 | 33.21 | 178.75 | 69.90 | 0.037 | 0.001 | n.s |
| 6 | 81.41 | 11.21 | 185.16 | 69.71 | 137.94 | 31.35 | <0.001 | n.s | n.s |
| 8 | 97.26 | 38.32 | 246.11 | 97.82 | 133.04 | 43.41 | <0.001 | n.s | <0.001 |
| RM-ANOVA |  | F=0.905 | F=28.210 | F=5.696 | \*<0.05, \*\*<0.01, \*\*\*<0.001 |
|  | *p*=0.473 | *p*<0.001\*\*\* | *p*=0.038 |
| 　 | **ALT (U/L)** |
| **Control (G1)** | **TAA (G2)** | **TAA+SY(G3)** | **G1 vs. G2** | **G1 vs. G3** | **G2 vs. G3** |
| **Mean** | **SD** | **Mean** | **SD** | **Mean** | **SD** | ***p*** |
| Week | 0 | 49.39 | 6.26 | 51.90 | 8.57 | 43.10 | 3.19 | n.s | n.s | n.s |
| 2 | 44.22 | 6.03 | 62.41 | 12.92 | 50.61 | 6.55 | n.s | n.s | n.s |
| 4 | 50.75 | 6.79 | 54.74 | 17.47 | 58.24 | 12.92 | n.s | n.s | n.s |
| 6 | 47.88 | 6.68 | 70.64 | 15.60 | 40.00 | 12.31 | 0.036 | n.s | <0.001 |
| 8 | 48.27 | 12.71 | 98.22 | 35.77 | 43.85 | 19.80 | <0.001 | n.s | <0.001 |
| RM-ANOVA |  | F=1.966 | F=14.408 | F=4.872 | \*<0.05, \*\*<0.01, \*\*\*<0.001 |
|  | *p*=0.124 | *p*<0.001\*\*\* | *p*=0.003\*\* |
| 　 | **ALB (g/dL)** |
| **Control (G1)** | **TAA (G2)** | **TAA+SY(G3)** | **G1 vs. G2** | **G1 vs. G3** | **G2 vs. G3** |
| **Mean** | **SD** | **Mean** | **SD** | **Mean** | **SD** | ***p*** |
| Week | 0 | 2.17 | 0.11 | 2.10 | 0.08 | 2.05 | 0.09 | n.s | n.s | n.s |
| 2 | 2.22 | 0.08 | 2.18 | 0.11 | 2.10 | 0.09 | n.s | n.s | n.s |
| 4 | 2.21 | 0.09 | 2.20 | 0.11 | 2.04 | 0.07 | n.s | n.s | n.s |
| 6 | 2.19 | 0.10 | 2.17 | 0.10 | 2.08 | 0.14 | n.s | n.s | n.s |
| 8 | 2.18 | 0.09 | 2.11 | 0.08 | 2.05 | 0.10 | n.s | n.s | n.s |
| RM-ANOVA |  | F=0.668 | F=2.356 | F=1.614 | \*<0.05, \*\*<0.01, \*\*\*<0.001 |
|  | *p=*0.619 | *p*= 0.066 | *p*=0.190 |

RM-ANOVA with F-value (*F*) and *p*-value (*p*) (\**p<*0.05, \*\**p<*0.01, \*\*\**p<*0.001). ALB, albumin; ALT, alanine aminotransferase; AST, aspartate aminotransferase; n.s, not significant; RM-ANOVA, repeated measures analysis of variance; TAA, thioacetamide-injected; TAA-SY, TAA-injected and silymarin-treated.