

Table S1. Multiple comparisons among the groups at different time intervals in the hyperglycemic mice model.

| Multiple Comparisons | | | | | | | |
|----------------------|----------|----------|-----------------------|------------|-------|--|-------------|
| Tukey HSD | | | | | | | |
| Dependent Variable | (I) Time | (J) Time | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval Lower Bound | Upper Bound |
| Group 2 | 0 min | 30 min | -6.34000* | 0.47892 | 0.000 | -7.7731 | -4.9069 |
| | | 60 min | -4.76000* | 0.47892 | 0.000 | -6.1931 | -3.3269 |
| | | 90 min | -3.36000* | 0.47892 | 0.000 | -4.7931 | -1.9269 |
| | | 150 min | -2.16000* | 0.47892 | 0.002 | -3.5931 | -0.7269 |
| | 30 min | 0 min | 6.34000* | 0.47892 | 0.000 | 4.9069 | 7.7731 |
| | | 60 min | 1.58000* | 0.47892 | 0.026 | 0.1469 | 3.0131 |
| | | 90 min | 2.98000* | 0.47892 | 0.000 | 1.5469 | 4.4131 |
| | | 150 min | 4.18000* | 0.47892 | 0.000 | 2.7469 | 5.6131 |
| | 60 min | 0 min | 4.76000* | 0.47892 | 0.000 | 3.3269 | 6.1931 |
| | | 30 min | -1.58000* | 0.47892 | 0.026 | -3.0131 | -0.1469 |
| | | 90 min | 1.40000 | 0.47892 | 0.058 | -0.0331 | 2.8331 |
| | | 150 min | 2.60000* | 0.47892 | 0.000 | 1.1669 | 4.0331 |
| | 90 min | 0 min | 3.36000* | 0.47892 | 0.000 | 1.9269 | 4.7931 |
| | | 30 min | -2.98000* | 0.47892 | 0.000 | -4.4131 | -1.5469 |
| | | 60 min | -1.40000 | 0.47892 | 0.058 | -2.8331 | 0.0331 |
| | | 150 min | 1.20000 | 0.47892 | 0.129 | -0.2331 | 2.6331 |
| | 150 min | 0 min | 2.16000* | 0.47892 | 0.002 | 0.7269 | 3.5931 |
| | | 30 min | -4.18000* | 0.47892 | 0.000 | -5.6131 | -2.7469 |
| | | 60 min | -2.60000* | 0.47892 | 0.000 | -4.0331 | -1.1669 |
| | | 90 min | -1.20000 | 0.47892 | 0.129 | -2.6331 | 0.2331 |
| Group 3 | 0 min | 30 min | -4.52000* | 0.21485 | 0.000 | -5.1629 | -3.8771 |
| | | 60 min | -3.42000* | 0.21485 | 0.000 | -4.0629 | -2.7771 |
| | | 90 min | -2.20000* | 0.21485 | 0.000 | -2.8429 | -1.5571 |
| | | 150 min | -0.20000 | 0.21485 | 0.882 | -0.8429 | 0.4429 |
| | 30 min | 0 min | 4.52000* | 0.21485 | 0.000 | 3.8771 | 5.1629 |
| | | 60 min | 1.10000* | 0.21485 | 0.000 | 0.4571 | 1.7429 |
| | | 90 min | 2.32000* | 0.21485 | 0.000 | 1.6771 | 2.9629 |
| | | 150 min | 4.32000* | 0.21485 | 0.000 | 3.6771 | 4.9629 |
| | 60 min | 0 min | 3.42000* | 0.21485 | 0.000 | 2.7771 | 4.0629 |
| | | 30 min | -1.10000* | 0.21485 | 0.000 | -1.7429 | -0.4571 |
| | | 90 min | 1.22000* | 0.21485 | 0.000 | 0.5771 | 1.8629 |
| | | 150 min | 3.22000* | 0.21485 | 0.000 | 2.5771 | 3.8629 |
| | 90 min | 0 min | 2.20000* | 0.21485 | 0.000 | 1.5571 | 2.8429 |
| | | 30 min | -2.32000* | 0.21485 | 0.000 | -2.9629 | -1.6771 |
| | | 60 min | -1.22000* | 0.21485 | 0.000 | -1.8629 | -0.5771 |
| | | 150 min | 2.00000* | 0.21485 | 0.000 | 1.3571 | 2.6429 |
| | 150 min | 0 min | 0.20000 | 0.21485 | 0.882 | -0.4429 | 0.8429 |
| | | 30 min | -4.32000* | 0.21485 | 0.000 | -4.9629 | -3.6771 |
| | | 60 min | -3.22000* | 0.21485 | 0.000 | -3.8629 | -2.5771 |
| | | 90 min | -2.00000* | 0.21485 | 0.000 | -2.6429 | -1.3571 |
| Group 4 | 0 min | 30 min | -4.12000* | 0.20298 | 0.000 | -4.7274 | -3.5126 |
| | | 60 min | -2.90000* | 0.20298 | 0.000 | -3.5074 | -2.2926 |
| | | 90 min | -1.44000* | 0.20298 | 0.000 | -2.0474 | -0.8326 |

| | | | | | | | |
|---------|---------|---------|-----------|---------|-------|---------|---------|
| Group 5 | 30 min | 150 min | 0.42000 | 0.20298 | 0.271 | -0.1874 | 1.0274 |
| | | 0 min | 4.12000* | 0.20298 | 0.000 | 3.5126 | 4.7274 |
| | | 60 min | 1.22000* | 0.20298 | 0.000 | 0.6126 | 1.8274 |
| | | 90 min | 2.68000* | 0.20298 | 0.000 | 2.0726 | 3.2874 |
| | 60 min | 150 min | 4.54000* | 0.20298 | 0.000 | 3.9326 | 5.1474 |
| | | 0 min | 2.90000* | 0.20298 | 0.000 | 2.2926 | 3.5074 |
| | | 30 min | -1.22000* | 0.20298 | 0.000 | -1.8274 | -0.6126 |
| | | 90 min | 1.46000* | 0.20298 | 0.000 | 0.8526 | 2.0674 |
| | 90 min | 150 min | 3.32000* | 0.20298 | 0.000 | 2.7126 | 3.9274 |
| | | 0 min | 1.44000* | 0.20298 | 0.000 | 0.8326 | 2.0474 |
| | | 30 min | -2.68000* | 0.20298 | 0.000 | -3.2874 | -2.0726 |
| | | 60 min | -1.46000* | 0.20298 | 0.000 | -2.0674 | -0.8526 |
| | 150 min | 150 min | 1.86000* | 0.20298 | 0.000 | 1.2526 | 2.4674 |
| | | 0 min | -0.42000 | 0.20298 | 0.271 | -1.0274 | 0.1874 |
| | | 30 min | -4.54000* | 0.20298 | 0.000 | -5.1474 | -3.9326 |
| | | 60 min | -3.32000* | 0.20298 | 0.000 | -3.9274 | -2.7126 |
| | 0 min | 90 min | -1.86000* | 0.20298 | 0.000 | -2.4674 | -1.2526 |
| | | 30 min | -4.18000* | 0.14615 | 0.000 | -4.6173 | -3.7427 |
| | | 60 min | -3.50000* | 0.14615 | 0.000 | -3.9373 | -3.0627 |
| | | 90 min | -2.66000* | 0.14615 | 0.000 | -3.0973 | -2.2227 |
| | 30 min | 150 min | -1.48000* | 0.14615 | 0.000 | -1.9173 | -1.0427 |
| | | 0 min | 4.18000* | 0.14615 | 0.000 | 3.7427 | 4.6173 |
| | | 60 min | 0.68000* | 0.14615 | 0.001 | 0.2427 | 1.1173 |
| | | 90 min | 1.52000* | 0.14615 | 0.000 | 1.0827 | 1.9573 |
| Group 5 | 60 min | 150 min | 2.70000* | 0.14615 | 0.000 | 2.2627 | 3.1373 |
| | | 0 min | 3.50000* | 0.14615 | 0.000 | 3.0627 | 3.9373 |
| | | 30 min | -0.68000* | 0.14615 | 0.001 | -1.1173 | -0.2427 |
| | | 90 min | 0.84000* | 0.14615 | 0.000 | 0.4027 | 1.2773 |
| | 90 min | 150 min | 2.02000* | 0.14615 | 0.000 | 1.5827 | 2.4573 |
| | | 0 min | 2.66000* | 0.14615 | 0.000 | 2.2227 | 3.0973 |
| | | 30 min | -1.52000* | 0.14615 | 0.000 | -1.9573 | -1.0827 |
| | | 60 min | -0.84000* | 0.14615 | 0.000 | -1.2773 | -0.4027 |
| | 150 min | 150 min | 1.18000* | 0.14615 | 0.000 | 0.7427 | 1.6173 |
| | | 0 min | 1.48000* | 0.14615 | 0.000 | 1.0427 | 1.9173 |
| | | 30 min | -2.70000* | 0.14615 | 0.000 | -3.1373 | -2.2627 |
| | | 60 min | -2.02000* | 0.14615 | 0.000 | -2.4573 | -1.5827 |
| | | 90 min | -1.18000* | 0.14615 | 0.000 | -1.6173 | -0.7427 |

* The mean difference is significant at the 0.05 level.