**Supplemental Table 1**: Average daily blood glucose concentrations (mg/dl) in STZ-diabetic rats during the recurrent saline (STZ) or recurrent insulin treatments (STZ+RH and STZ+RH+4.5 Carvedilol groups). Data presented as mean ± S.E.M.

| Time (min) | STZ (n=7)       | STZ + RH (n=6)   | STZ + RH + 4.5 Carvedilol (n=7) |
|------------|-----------------|-----------------|---------------------------------|
| Day 1      |                 |                 |                                 |
| 0          | 413.5 ± 27.1    | 483.3 ± 42.1    | 478.3 ± 42.4                    |
| 30         | 384.5 ± 48.0    | 245.5 ± 52.9    | 215.0 ± 54.4                    |
| 60         | 363.5 ± 40.4    | 94.5 ± 11.0     | 90.8 ± 4.1                      |
| 90         | 376.8 ± 15.6    | 53.8 ± 12.3     | 80.3 ± 13.9                     |
| 120        | 367.8 ± 17.7    | 36.3 ± 3.4      | 35.3 ± 7.4                      |
| 150        | 360.3 ± 29.8    | 37.0 ± 4.5      | 30.0 ± 3.4                      |
| 180        | 365.0 ± 30.0    | 34.5 ± 4.9      | 31.0 ± 0.4                      |
| Day 2      |                 |                 |                                 |
| 0          | 429.3 ± 35.1    | 462.3 ± 43.6    | 448.0 ± 42.5                    |
| 30         | 416.8 ± 35.5    | 173.8 ± 64.9    | 124.3 ± 29.8                    |
| 60         | 375.5 ± 49.3    | 82.5 ± 23.2     | 59.0 ± 15.6                     |
| 90         | 372.8 ± 50.9    | 63.8 ± 21.0     | 38.5 ± 10.7                     |
| 120        | 377.3 ± 40.6    | 43.3 ± 6.4      | 30.0 ± 2.9                      |
| 150        | 382.5 ± 30.3    | 30.3 ± 5.6      | 31.0 ± 2.5                      |
| 180        | 370.3 ± 26.5    | 32.0 ± 4.7      | 31.5 ± 4.3                      |
| Day 3      |                 |                 |                                 |
| 0          | 414.8 ± 31.3    | 486.5 ± 64.5    | 453.0 ± 47.1                    |
| 30         | 426.5 ± 38.9    | 213.0 ± 56.2    | 213.5 ± 64.8                    |
| 60         | 382.0 ± 42.6    | 134.5 ± 38.9    | 164.0 ± 73.6                    |
| 90         | 382.8 ± 26.4    | 75.0 ± 28.2     | 80.8 ± 27.4                     |
| 120        | 389.8 ± 36.1    | 46.3 ± 16.0     | 38.0 ± 4.4                      |
| 150        | 375.0 ± 41.7    | 31.5 ± 8.6      | 32.8 ± 4.9                      |
| 180        | 381.8 ± 43.8    | 37.8 ± 4.5      | 29.8 ± 3.4                      |