Table S2. List of parameters of echocardiographic measurements (M-mode and PWD) in control and diabetic neonatal rats.

|                    | Control (n=6) | Diabetic (n=6) |
|--------------------|---------------|----------------|
| LVIDd (mm)         | 2.325±0.24    | 1.828±0.124**  |
| LVIDs (mm)         | 0.969±0.142   | 1.223±0.223*   |
| LVPWd (mm)         | 0.494±0.099   | 0.535±0.117    |
| LVPWs (mm)         | 0.508±0.048   | 0.790±0.051****|
| LVAWs (mm)         | 1.070±0.129   | 1.072±0.072    |
| LVAWd (mm)         | 0.448±0.074   | 0.655±0.034****|
| Volume (systolic) (µL) | 2.222±0.644   | 3.275±1.5     |
| Volume (diastolic) (µL) | 19.04±4.92    | 11.627±0.951**|
| Stroke Volume (µL) | 17.025±4.598  | 11.248±0.615*  |
| Ejection Fraction (%) | 89.285±3.830  | 78.177±7.876*  |
| Cardiac Output (mL/min) | 3.740±0.982   | 2.245±0.4**    |
| LV Mass Corrected (mg) | 18.835±4.022  | 18.627±3.311  |
| Fractional Shortening (%) | 58.188±5.749  | 45.295±7.072** |
| Heart rate (BPM)   | 220.33±22.82  | 262.06±11.44**|
| Mean velocity (mm/s) | 490.02±141.74 | 330.70±46.87*  |
| VTI (mm)           | 51.485±12.216 | 25.863±2.358***|

**Note:** Left ventricular internal diameter at systole (LVIDs) and at diastole (LVIDd), left ventricular posterior wall thickness at end systole (LVPWs) and at diastole (LVPWd), left ventricular anterior wall thickness at systole (LVAWs) and at diastole (LVAWd), Beats per minute (BPM), Velocity time integral (VTI). Data are presented as mean ± SD. n = 6/group. *p < 0.05 vs Control, **p < 0.01 vs Control, ***p < 0.001 vs Control, ****p < 0.0001 vs Control.