### Table S1. Hemodynamic analysis of TG-H mice and WT controls

<table>
<thead>
<tr>
<th>8-weeks old</th>
<th>WT</th>
<th>TG-H</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4-7</td>
<td>5-6</td>
</tr>
<tr>
<td>HR (bpm)</td>
<td>424 ± 32</td>
<td>324 ± 68*</td>
</tr>
<tr>
<td>LA vol. (mm$^3$)</td>
<td>4.60 ± 0.50</td>
<td>11.10 ± 0.70***</td>
</tr>
<tr>
<td>LVPWS (mm)</td>
<td>1.11 ± 0.08</td>
<td>0.99 ± 0.07</td>
</tr>
<tr>
<td>LVEDD (mm)</td>
<td>3.26 ± 0.13</td>
<td>4.00 ± 0.20*</td>
</tr>
<tr>
<td>FS (%)</td>
<td>49.0 ± 3.60</td>
<td>41.0 ± 1.50</td>
</tr>
<tr>
<td>IVRT (msec)</td>
<td>13.71 ± 0.5</td>
<td>19.9 ± 1.2**</td>
</tr>
<tr>
<td>PAoFV (cm/sec)</td>
<td>112.3 ± 7</td>
<td>109.0 ± 8</td>
</tr>
<tr>
<td>PEV (cm/sec)</td>
<td>83 ± 6</td>
<td>96 ± 4</td>
</tr>
<tr>
<td>CVR-R (%)</td>
<td>3.8 ± 1.1</td>
<td>44.8 ± 16.5*</td>
</tr>
</tbody>
</table>

HR, heart rate; LA vol, Left Atrial volume; LVPWS, Left Ventricular (LV) end-systolic posterior wall thickness; LVEDD, LV end-diastolic dimension; FS, fractional shortening; IVRT, Isovolumic relaxation time; PAoFV, Peak Aortic Flow Velocity; PEV, Peak Ejection Flow Velocity; CVR-R, Coefficient of Variation of R-R Intervals. Data were analyzed by Student t-test. *, $P < 0.05$; **, $P < 0.01$; ###, $P < 0.005$ versus WT.