## Supplementary Table 1. Summary of statistical data

| Figure | Test       | Number of animals | Values                                                                 | Statistical Test                      |
|--------|------------|-------------------|------------------------------------------------------------------------|----------------------------------------|
| 1      | Food intake| Con=8             | Week 1: 22.4375; Week 2: 23.2375; Week 3: 21.42; Week 4: 20.65; Week 5: 21.34286; Week 6: 21.94286; Week 7: 20.38571; Week 8: 20.87143 | one-way ANOVA followed by Tukey post hoc analysis |
|        |            | HF=11             | Week 1: 23.94545; Week 2: 24.02727; Week 3: 25.61454; Week 4: 22.68182; Week 5: 25.7; Week 6: 23.4125; Week 7: 25.9; Week 8: 22.81111 |                                         |
|        |            | PIP=10            | Week 1: 23.76; Week 2: 24.5; Week 3: 23.936; Week 4: 25.08889; Week 5: 24.33333; Week 6: 25.21111; Week 7: 23.94444; Week 8: 21.64444 |                                         |
|                | Con=7-8                                      | HF=9-11                                     | PIP=9-11                                     |
|----------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| **Body weight**|                                             |                                             |                                             |
| Week 0:        | 20.95±0.33;                                | 22.16±0.28;                                | 21.88±0.32;                                |
| Week 1:        | 22.63±0.40;                                | 22.28±0.28;                                | 23.95±0.31;                                |
| Week 2:        | 23.69±0.46;                                | 25.75±0.33;                                | 24.76±0.47;                                |
| Week 3:        | 24.70±0.65;                                | 26.25±0.42;                                | 25.56±0.70;                                |
| Week 4:        | 25.01±1.18;                                | 26.15±0.45;                                | 26.21±0.54;                                |
| Week 5:        | 25.76±0.62;                                | 26.79±0.50;                                | 27.21±0.61;                                |
| Week 6:        | 26.27±0.95;                                | 27.73±0.54;                                | 28.26±0.62;                                |
| Week 7:        | 26.86±1.30;                                | 28.34±0.48;                                | 28.70±0.67;                                |
| Week 8:        | 27.09±1.17                                 | 28.37±0.41                                 | 28.28±0.57                                 |
| **Blood glucose**| Con=7 Con=1.00±0.10 | HF=9 HF=1.14±0.03 | PIP=8 PIP=1.30±0.07 |
| **TC in blood**| Con=5 Con=1.00±0.02 | HF=9 HF=1.30±0.04 | PIP=8 PIP=1.24±0.07 |
| **Parameter**                  | **Con** | **HF** | **PIP** | **Statistical Test**                                                                 |
|--------------------------------|---------|--------|---------|-----------------------------------------------------------------------------------|
| TG in blood                    | Con=5   | HF=9   | PIP=9   | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.06 | HF=1.42±0.14 | PIP=1.40±0.07 |                                                                 |
| LDL-c in blood                 | Con=5   | HF=9   | PIP=9   | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.02 | HF=1.47±0.13 | PIP=1.33±0.06 |                                                                 |
| HDL-c in blood                 | Con=5   | HF=9   | PIP=9   | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.02 | HF=1.26±0.04 | PIP=1.21±0.06 |                                                                 |
| Migrated Cells                 | Con=15  | HF=15  | PIP=16  | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.07 | HF=0.42±0.02 | PIP=0.94±0.05 |                                                                 |
| Tube number                    | Con=20  | HF=20  | PIP=20  | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.04 | HF=0.60±0.03 | PIP=1.37±0.06 |                                                                 |
| Adherent Cells                 | Con=25  | HF=20  | PIP=26  | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.03 | HF=0.57±0.04 | PIP=0.81±0.09 |                                                                 |
| DHE fluorescence               | Con=4   | HF=4   | PIP=5   | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.01 | HF=1.24±0.02 | PIP=0.83±0.02 |                                                                 |
| DAF-FM fluorescence            | Con=5   | HF=4   | PIP=4   | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.05 | HF=0.41±0.07 | PIP=1.08±0.18 |                                                                 |
| Infarct Volume                 | Con=8   | HF=8   | PIP=8   | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.04 | HF=2.44±0.10 | PIP=1.91±0.12 |                                                                 |
| Asymmetric body swing rate     | Con=8   | HF=8   | PIP=8   | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.07 | HF=1.75±0.03 | PIP=1.33±0.17 |                                                                 |
| Time to cross beam             | Con=8   | HF=8   | PIP=8   | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | Con=1.00±0.05 | HF=1.30±0.06 | PIP=0.99±0.04 |                                                                 |
| Migrated Cells                 | HF=15   |        |        | one-way ANOVA followed by Tukey post hoc analysis                                  |
|                               | HF=1.00±0.07 |        |        |                                                                 |
|                          | HF+0.1=15 | HF+0.1=1.33±0.08 | Tukey post hoc analysis |
|--------------------------|-----------|------------------|-------------------------|
|                          | HF+1.0=15 | HF+1.0=1.76±0.13 |
| **Migrated Cells**       |           |                  |                         |
| Con=13                   | Con=1.00±0.07 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF=13                    | HF=0.62±0.04 |                  |
| HF+PIP=13                | HF+PIP=0.94±0.05 |
| **Tube number**          |           |                  |                         |
| Con=15                   | Con=1.00±0.03 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF=20                    | HF=0.60±0.03 |                  |
| HF+PIP=15                | HF+PIP=0.94±0.04 |
| **Adherent Cells**       |           |                  |                         |
| Con=17                   | Con=1.00±0.05 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF=20                    | HF=0.57±0.04 |                  |
| HF+PIP=17                | HF+PIP=0.80±0.04 |
| **TSP-1 level**          |           |                  |                         |
| Con=7                    | Con=1.00±0.06 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF=7                     | HF=2.74±0.40 |                  |
| HF+PIP=7                 | HF+PIP=1.46±0.26 |
| **TSP-2 level**          |           |                  |                         |
| Con=6                    | Con=1.00±0.04 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF=6                     | HF=2.11±0.15 |                  |
| HF+PIP=6                 | HF+PIP=1.51±0.03 |
| **Infarct Volume**       |           |                  |                         |
| HF=9                     | HF=1.00±0.02 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF+HF=9                  | HF+HF=0.84±0.04 |
| HF+PIP=8                 | HF+PIP=0.66±0.03 |
| **Asymmetric body swing rate** |           |                  |                         |
| HF=9                     | HF=1.00±0.02 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF+HF=9                  | HF+HF=0.73±0.06 |
| HF+PIP=8                 | HF+PIP=0.60±0.04 |
| **Time to cross beam**   |           |                  |                         |
| HF=9                     | HF=1.00±0.05 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF+HF=9                  | HF+HF=0.81±0.01 |
| HF+PIP=8                 | HF+PIP=0.66±0.01 |
| **Capillaries (CD31)**   |           |                  |                         |
| HF=9                     | HF=1.00±0.05 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF+HF=12                 | HF+HF=1.34±0.08 |
| HF+PIP=12                | HF+PIP=2.23±0.09 |
| **Capillaries (vWF)**    |           |                  |                         |
| HF=9                     | HF=1.00±0.10 |                  | one-way ANOVA followed by Tukey post hoc analysis |
| HF+HF=8                  | HF+HF=1.89±0.14 |
| HF+PIP=8                 | HF+PIP=2.81±0.22 |