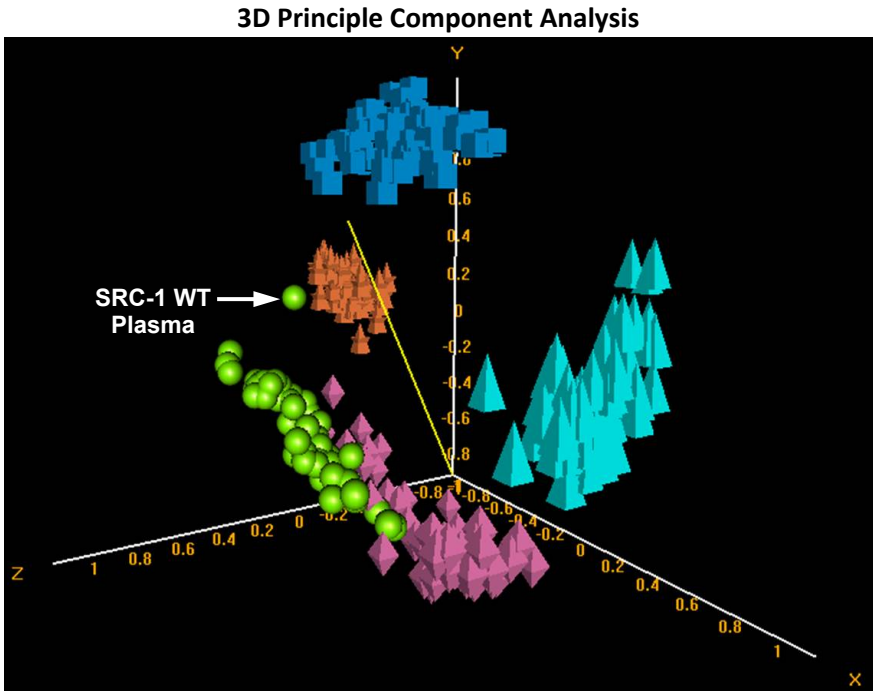
Supplemental Materials

Supplemental Figure 1. Principal component analysis (PCA) of SRC metabolomics data. Principal component analysis was performed to determine the presence of outliers within metabolites measured for each tissue (liver, heart, skeletal muscle, brain, and plasma). A 3D representation of the data that preserves pair wise similarities of distances between high-dimensional data is presented. Based on the results from this analysis, only one sample (SRC-1 WT plasma, *ad libitum* (fed)) was an outlier and was therefore removed from further analyses (arrow).

Supplemental Figure 2. Metadata for physiological parameters of SRC mice utilized for metabolomics analyses. A) Measurement of blood glucose was performed on SRC-1, SRC-2, and SRC-3 WT and KO mice (N = 5 per genotype) fed *ad libitum* (Ad Lib.) or following a 24-hour fast as indicated immediately prior to isolation of tissues used for the comprehensive metabolomics analyses. **B)** Body weight measurements of SRC-1, SRC-2, and SRC-3 WT and KO mice (N = 5 per genotype) fed *ad libitum* (Ad Lib.) or following a 24-hour fast as indicated immediately prior to isolation of tissues used for the comprehensive metabolomics analyses. **C)** Body temperature measurements from SRC-1, SRC-2, and SRC-3 WT and KO mice (N = 5 per genotype) fed *ad libitum* (Ad Lib.) or following a 24-hour fast as indicated immediately prior to isolation of tissues used for the comprehensive metabolomics analyses. All data are graphed as the mean ± s.e.m. *$p<0.05$, **$p<0.01$, ***$p<0.001$ versus WT mice.

Supplemental Figure 1



Plasma (sphere)
Brain (cube)
Muscle (octahedron)
Liver (tower)
Heart (pentahedron)

Supplemental Figure 2