

SUPPLEMENTARY DATA

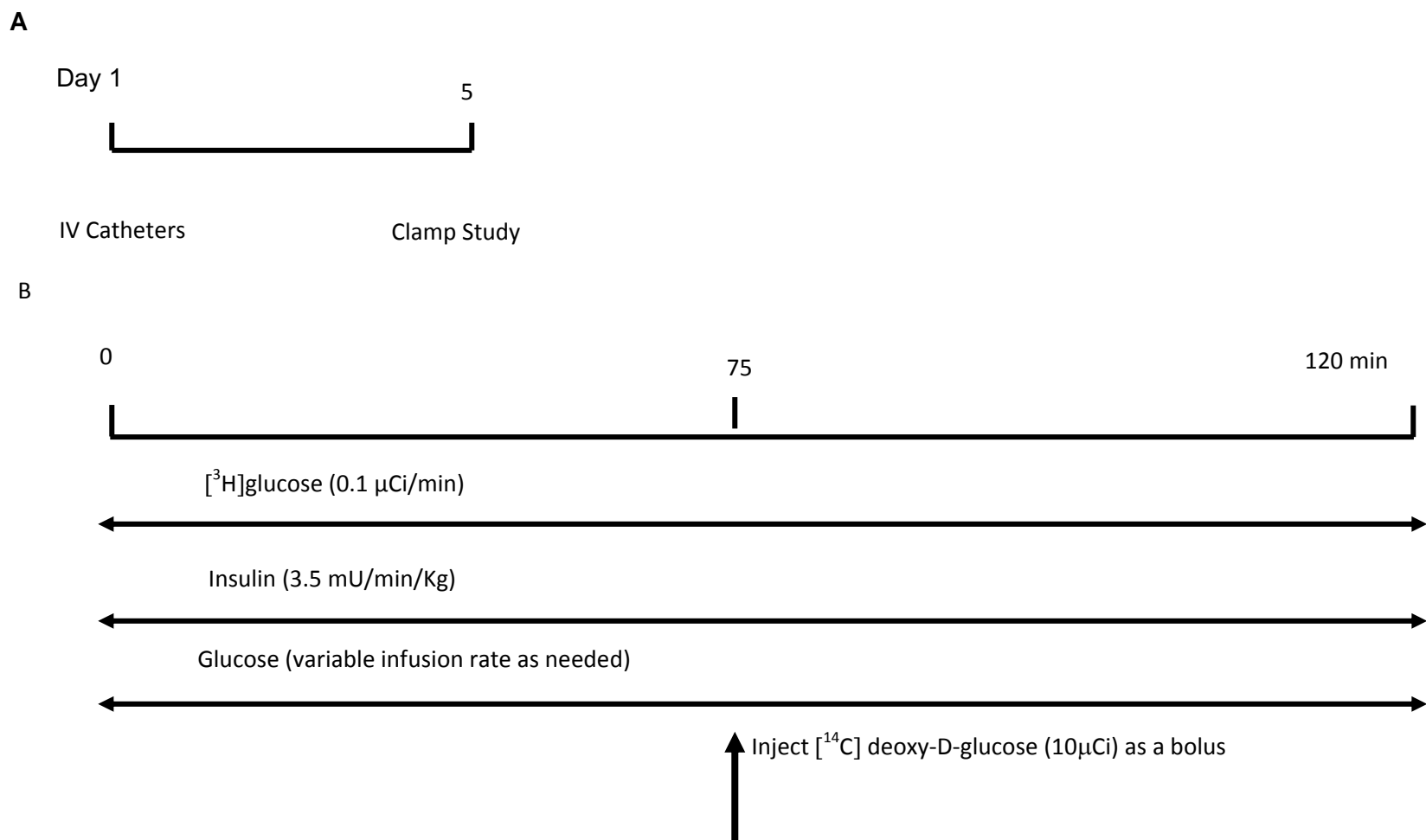
Supplementary Table 1. Body weight and body composition

| | WT(LFD) | CCK-KO(LFD) | WT(HFD) | CCK-KO(HFD) |
|-------------------------|--------------|--------------|--------------|---------------|
| Initial Body Weight (g) | 26.52 ± 0.42 | 24.92 ± 0.69 | 25.91 ± 0.59 | 24.27 ± 0.24* |
| Final Body Weight (g) | 29.18 ± 0.91 | 26.92 ± 0.39 | 30.04 ± 0.55 | 28.29 ± 0.22* |
| Initial fat mass (g) | 1.29 ± 0.09 | 1.05 ± 0.10 | 1.44 ± 0.41 | 1.41 ± 0.16 |
| Initial lean mass (g) | 22.64 ± 0.36 | 21.58 ± 0.61 | 22.76 ± 0.33 | 21.46 ± 0.29* |
| Final fat mass (g) | 1.86 ± 0.22 | 1.57 ± 0.12 | 5.02 ± 0.49 | 3.84 ± 0.21* |
| Final lean mass (g) | 25.10 ± 0.74 | 23.49 ± 0.31 | 22.79 ± 0.25 | 22.81 ± 0.25 |

Cohort animals were used for the experiment in glucose and arginine tests. Body weight and body mass in CCK-KO and WT mice (n = 9/ group) were collected prior to and following either a 10-week low fat diet or high fat diet at 10 weeks of age. Values represent mean ± SEM and asterisks indicate a significant difference (P < 0.05) compared to the WT mice fed the same diet.

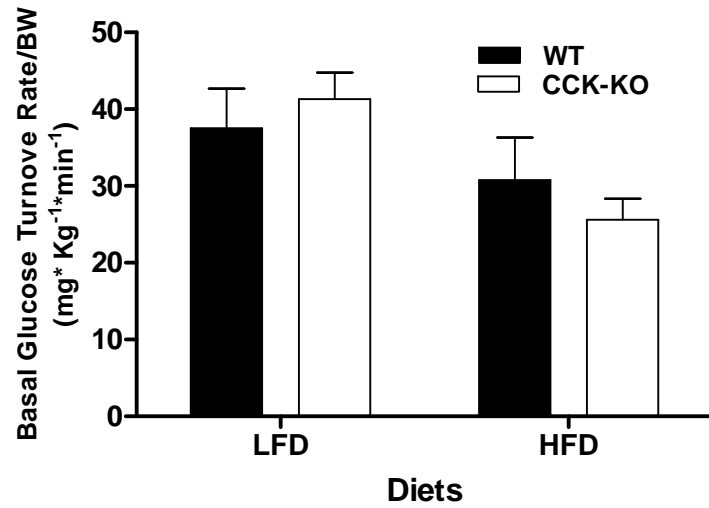
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Supplementary Figure 1. Euglycemic clamp experiments and basal glucose turnover rate in mice. (A-B) Euglycemic clamp experimental design, (C) means of basal glucose turnover rate at 60- 90 min, (D) means of basal insulin level at 90 min, and (E) means of GIR at 90-120 min during the euglycemic clamp. For basal glucose turnover rate, animals were maintained on either LFD or HFD. Data are expressed as mean \pm SEM for 3 or 4 animals per group. For euglycemic clamp study, animals were maintained on either LFD or HFD. Data are expressed as mean \pm SEM for 6 animals per group, and values with asterisks represent significant differences relative to the WT mice ($P < 0.05$).

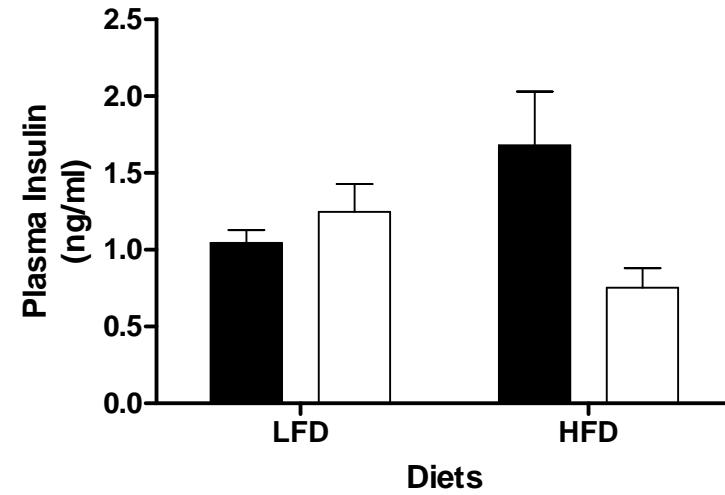


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C. Basal glucose turnover rate



D. Basal insulin



E. GIR

