Stem Cell Reports, Volume *17*

Supplemental Information

Prepubertal androgen signaling is required to establish male fat distribution

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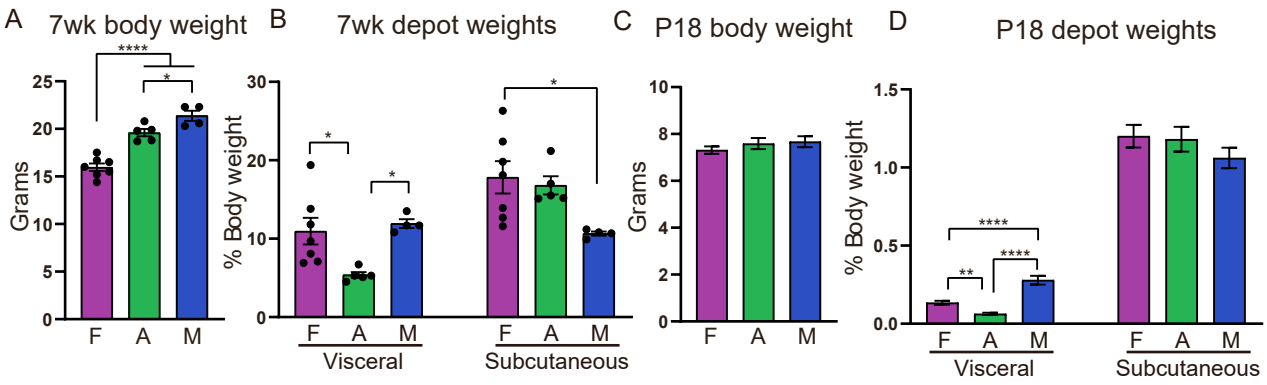
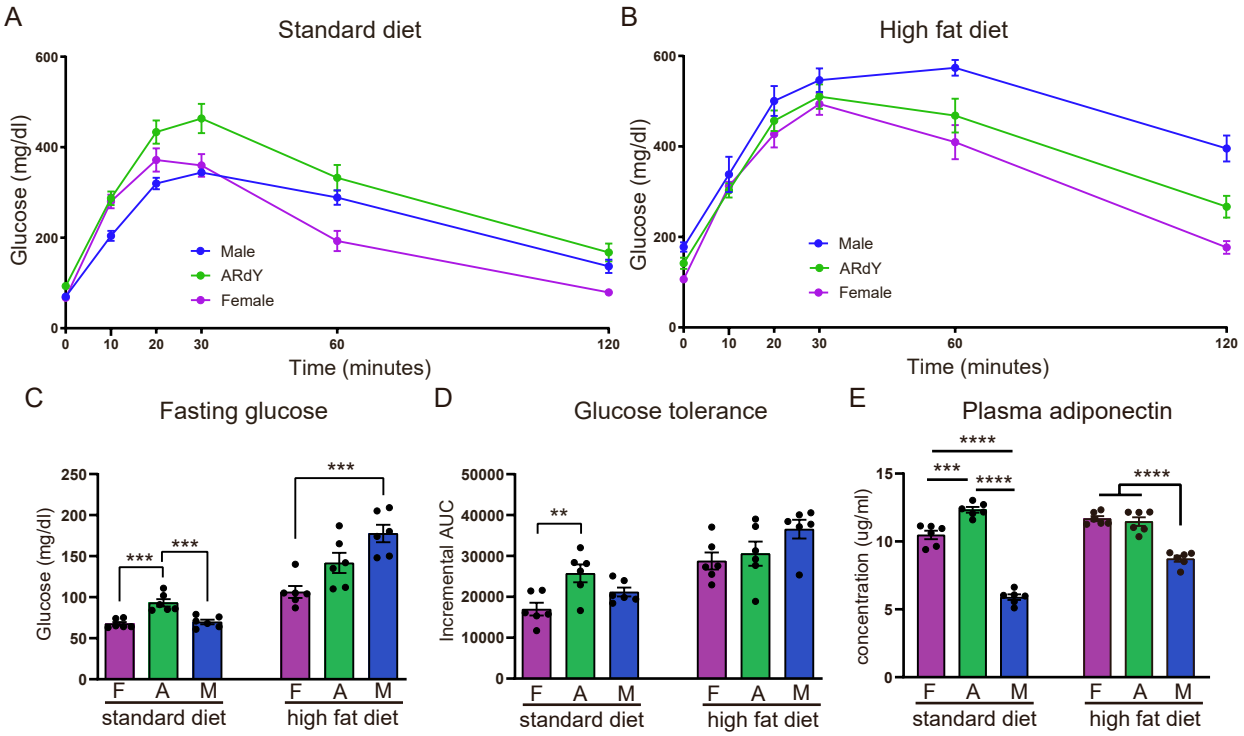
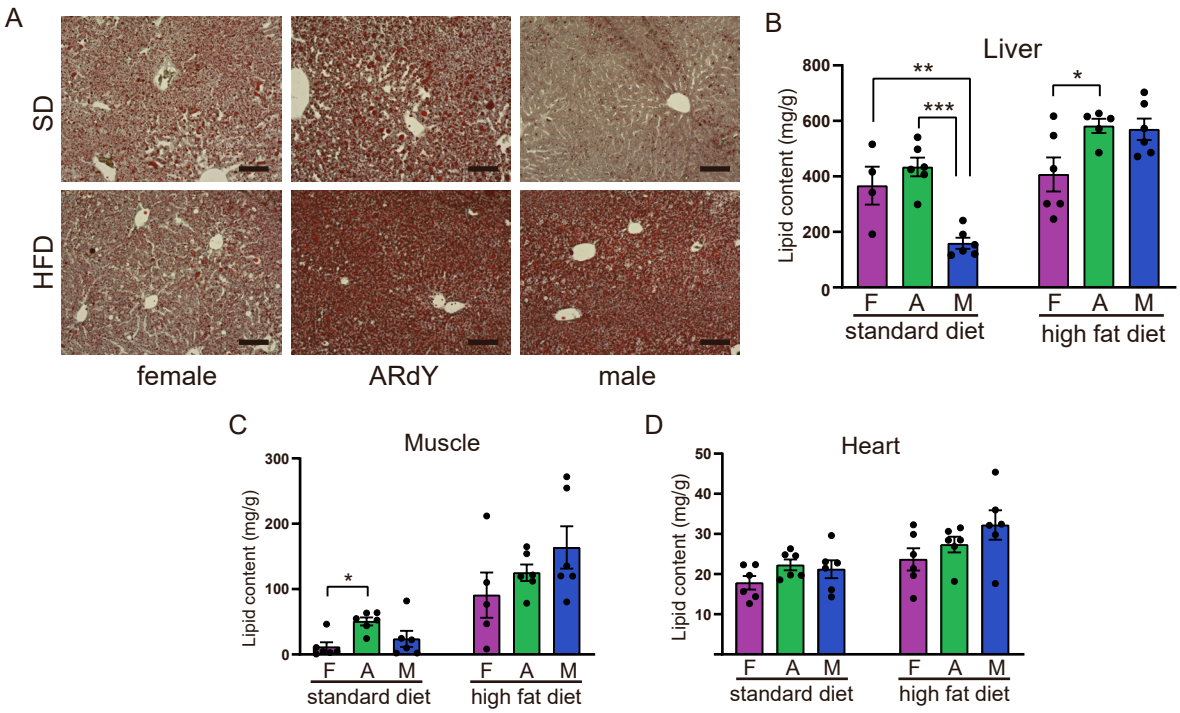


Supp. Fig. 1. Young adult and juvenile fat distribution, related to Figure 1. (A) Body weight of 7-week-old mice (n = 4-7). (B) Depot weights as a percentage of body weight for 7-week-old mice (n = 4-7). (C) Body weight of P18 mice (n = 11-23). (D) P18 depot weights as a percentage of body weight (n = 11-23). Statistical significance was determined by ordinary one-way ANOVA with Tukey's multiple comparisons test. Abbreviations: F = female, A = ARdY, M = male, SVC = stromal vascular cell, AP = adipocyte precursor.



Supp. Fig. 2. Glucometabolic health parameters in SD and HFD, related to Figure 3. (A) GTT curve of 15-week-old mice fed standard diet (n = 6). (B) GTT curve of 15-week-old mice fed high fat diet (n = 6). (C) Fasting glucose of 15-week-old mice from (A) and (B) (n = 6). (D) Glucose tolerance as measured by iAUC from animals in (A-C). (E) Plasma adiponectin level in mice from (A-D) (n = 6). Statistical significance in (C-E) was determined by ordinary one-way ANOVA with Tukey's multiple comparisons test. Abbreviations: F = female, A = ARdY, M = male, iAUC = incremental area under the curve.



Supp. Fig. 3. Ectopic lipid deposition, related to Figure 3. (A) Oil Red O-stained liver sections from 15-week-old mice fed a standard diet or 8 weeks HFD. Scalebar = 100 um. (B) Lipid quantification in liver of 15-week-old mice fed a standard diet or 8 weeks HFD. (C) Lipid quantification in gastrocnemius muscle of 15-week-old mice fed a standard diet or 8 weeks HFD. (D) Lipid quantification in heart of 15-week-old mice fed a standard diet or 8 weeks HFD. Statistical significance in (B-D) was determined by ordinary one-way ANOVA with Tukey's multiple comparisons test. Abbreviations: F = female, A = ARdY, M = male, SD = standard diet, HFD = high fat diet.