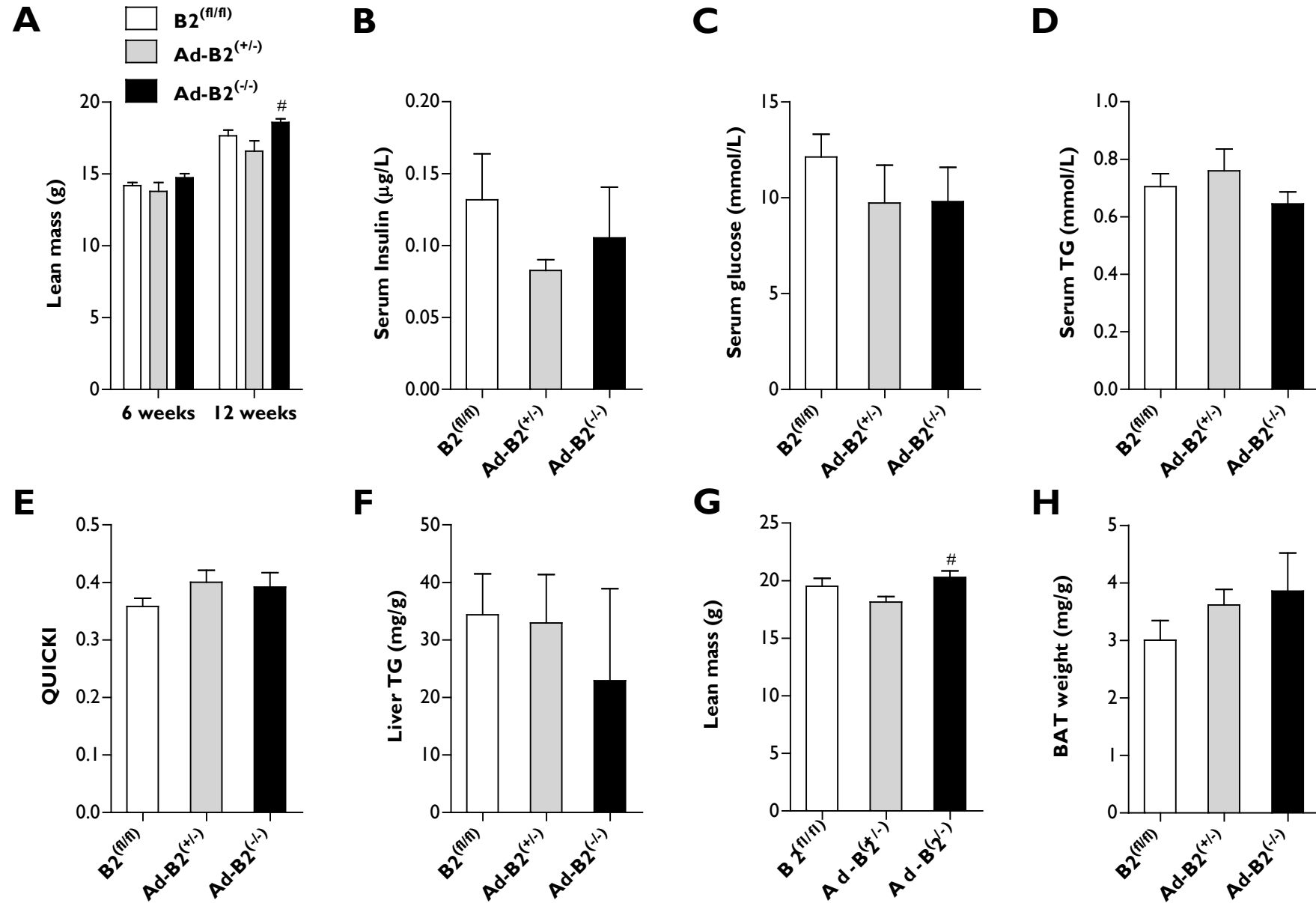


Female adipose tissue-specific *Bsc12* knockout mice develop only moderate metabolic dysfunction when housed at thermoneutrality and fed a high-fat diet

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Supplementary figure 1. (A) Absolute lean mass levels assessed by Echo-MRI in B2^(fl/fl), Ad-B2^(+/-) and Ad-B2^(-/-) mice at six and twelve weeks of age (n = 4-8), #p<0.05 vs Ad-B2^(+/-). Five hour fasted circulating serum levels of insulin (B), glucose (C), triglyceride (D) and quantitative sensitivity check index analysis (E) in sixteen week old B2^(fl/fl), Ad-B2^(+/-) and Ad-B2^(-/-) female mice housed at standard housing temperatures (21°C) and fed a chow diet (n = 4). (F) Liver triglyceride levels normalised to tissue weight in five hour fasted B2^(fl/fl), Ad-B2^(+/-) and Ad-B2^(-/-) at sixteen weeks of age (n = 4). (G) Absolute lean mass levels assessed by DEXA in B2^(fl/fl), Ad-B2^(+/-) and Ad-B2^(-/-) mice after eight weeks at thermoneutrality (n = 5-6), #p<0.05 vs Ad-B2^(+/-). (H) BAT weight normalised to body weight in twenty-eight week old B2^(fl/fl), Ad-B2^(+/-) and Ad-B2^(-/-) female mice housed at thermoneutrality (30°C) and fed a high-fat diet for four weeks (n = 4-6). All data are presented as the mean ± SEM.