PLOS ONE

CORRECTION

Correction: Adipocyte arrestin domain-containing 3 protein (Arrdc3) regulates uncoupling protein 1 (Ucp1) expression in white adipose independently of canonical changes in β-adrenergic receptor signaling

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Fig 1A is incorrect. Please see the entire correct Fig 1 here. Fig 2B is also incorrect. The western blot labeled "BAT" should read "VAT." Please see the entire correct Fig 2 here.

Citation: Carroll SH, Zhang E, Wang BF, LeClair KB, Rahman A, Cohen DE, et al. (2017) Correction: Adipocyte arrestin domain-containing 3 protein (Arrdc3) regulates uncoupling protein 1 (Ucp1) expression in white adipose independently of canonical changes in β-adrenergic receptor signaling. PLoS ONE 12(7): e0181492. https://doi.org/10.1371/journal.pone.0181492

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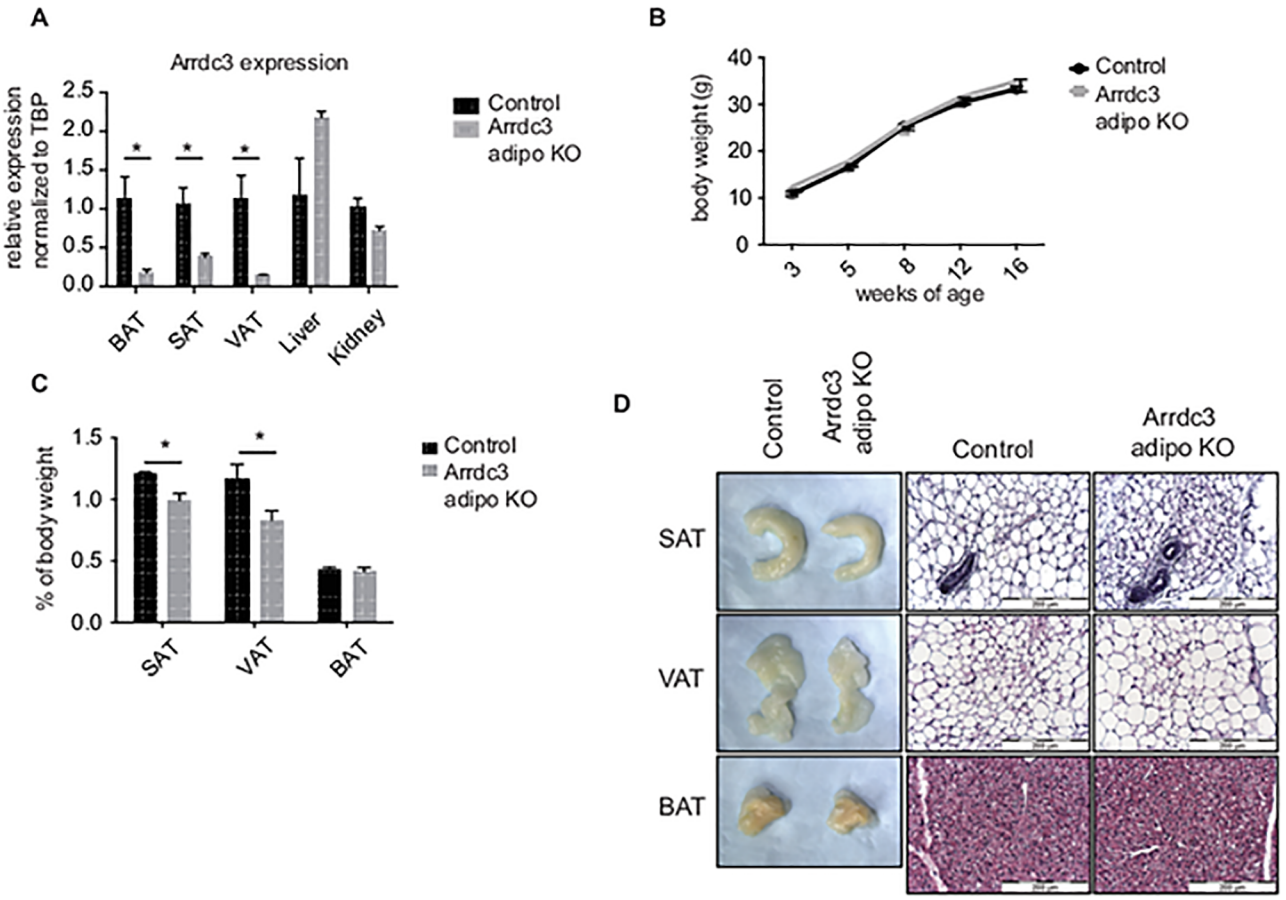

Fig 1. Characterization of adipocyte-specific *Arrdc3*-null mice. (A) To confirm adipocyte-specific deletion, Arrdc3 expression was measured in various tissues of Cre–(control) and Cre+ (*Arrdc3*-null) mice by quantitative PCR. Brown (BAT), parametrial (VAT) and subcutaneous adipose tissue (SAT) had significantly decreased *Arrdc3* expression while there was no significant difference in liver or kidney (n = 3–4). (B) Adipocyte-specific *Arrdc3*-null mice and littermate controls were weighed for 16 weeks and no differences in body weight were found (n = 4–10). (C) Specific adipose depots of female mice were weighed and normalized to total body weight. Subcutaneous (SAT) and parametrial (VAT) adipose tissue from adipocyte-specific *Arrdc3*-null mice weighed significantly less than controls (n = 5). (D) Representative macroscopic (formaldehyde fixed tissue) and microscopic appearance of subcutaneous (SAT), parametrial (VAT) and brown (BAT) adipose tissue from adipocyte-specific *Arrdc3*-null and control mice. Paraffin tissue sections were stained with hematoxylin and eosin and images were taken at 40x.

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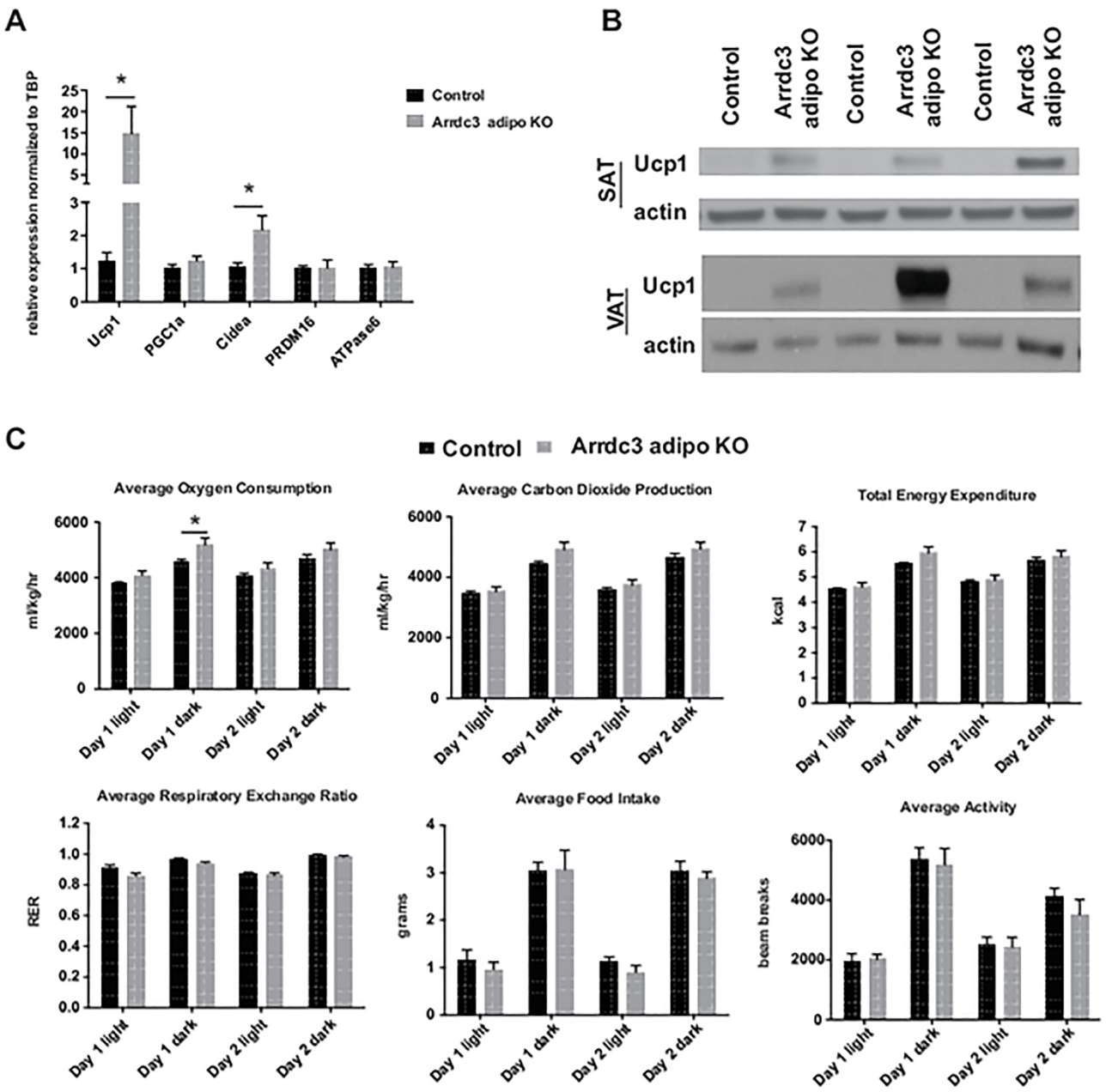

Fig 2. Increased expression of Ucp1 in white adipose tissue of adipocyte-specific *Arrdc3*-null mice. (A) Quantitative PCR analysis of gene expression in subcutaneous adipose tissue (n = 5–9). (B) Western analysis of Ucp1 protein expression in subcutaneous (SAT) and parametrial (VAT) adipose tissue. (C) 48 hours of CLAMS analysis of adipocyte-specific *Arrdc3*-null and control mice at 28˚C ambient temperature (n = 5). *$p \leq 0.05$.

https://doi.org/10.1371/journal.pone.0181492.g002

Reference

1. Carroll SH, Zhang E, Wang BF, LeClair KB, Rahman A, Cohen DE, et al. (2017) Adipocyte arrestin domain-containing 3 protein (Arrdc3) regulates uncoupling protein 1 (Ucp1) expression in white adipose independently of canonical changes in β-adrenergic receptor signaling. PLoS ONE 12(3): e0173823. https://doi.org/10.1371/journal.pone.0173823PMID: 28291835