

Supplementary Materials for

Molecular signatures and functional analysis of beige adipocytes induced from in vivo intra-abdominal adipocytes

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Fig. S1. Clustered profile of all marker genes.
Fig. S2. Expression levels of six beige marker genes assayed by RT-qPCR.
Fig. S3. Ponceau staining as loading control in Western blots.
Legends for Tables S1 and S2
Table S3. Primers used for qPCR.
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Other Supplementary Material for this manuscript includes the following:

(available at advances.sciencemag.org/cgi/content/full/4/7/eaar5319/DC1)

Table S1 (Microsoft Excel format). Mapped Ensembl genes and raw read counts from 20 samples.

Table S2 (Microsoft Excel format). All beige adipocyte, BAT, and WAT marker genes.

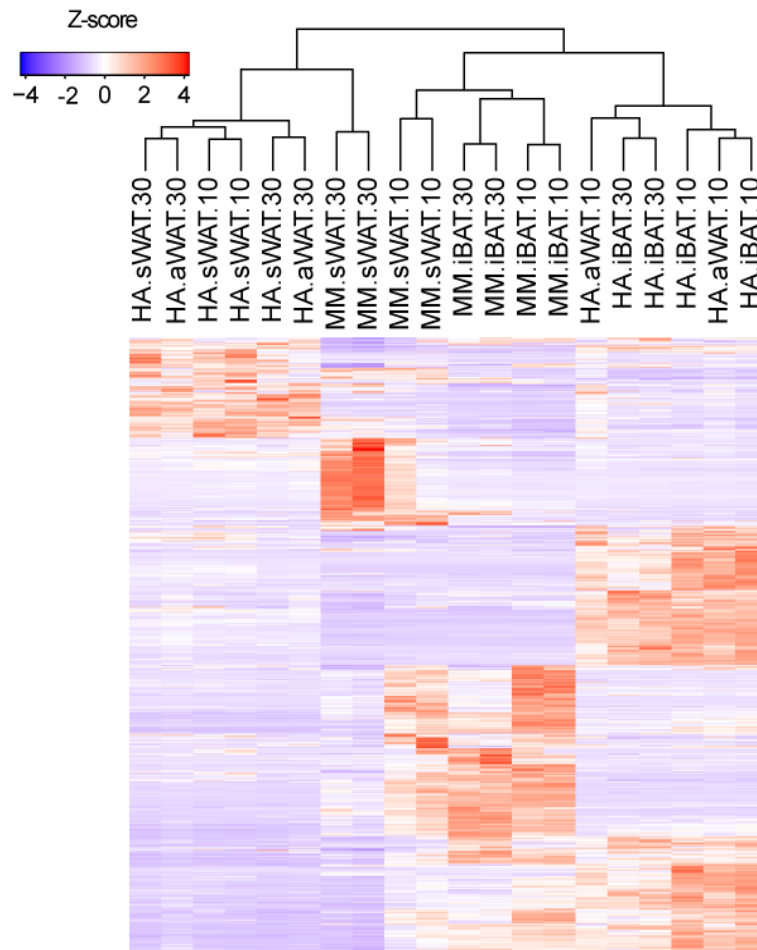


Fig. S1. Clustered profile of all marker genes.

HA: *Hipposideros armiger*; MM: *Mus musculus*.

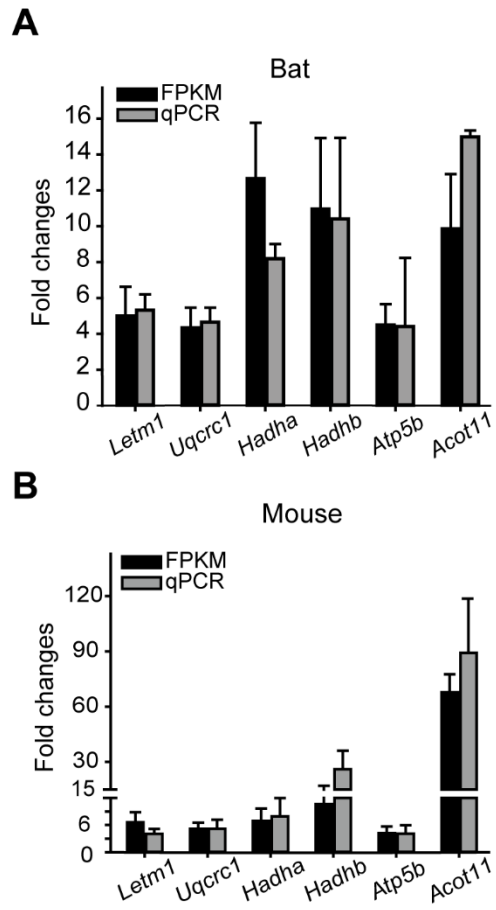


Fig. S2. Expression levels of six beige marker genes assayed by RT-qPCR. (A) Bat markers. (B)

Mouse markers. n = 3 for all groups.

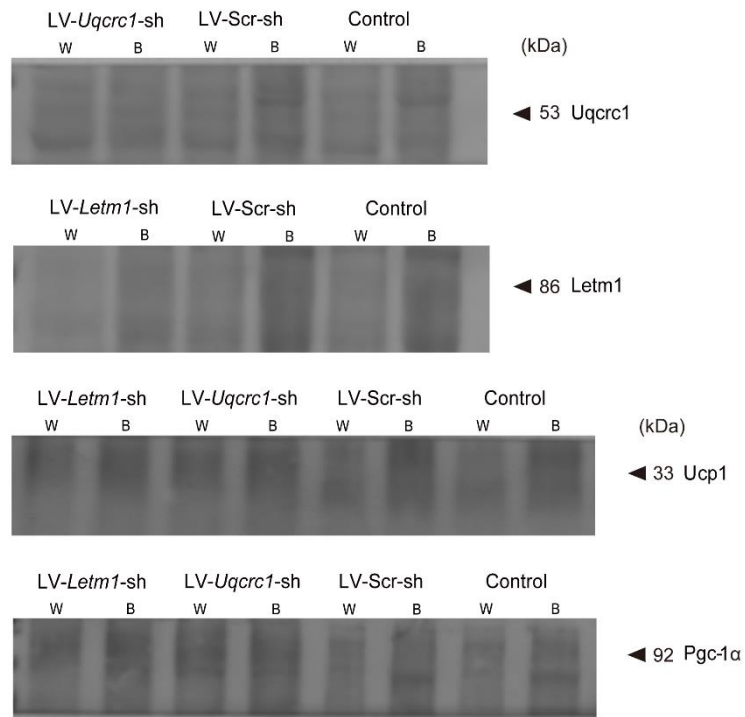


Fig. S3. Ponceau staining as loading control in Western blots. W and B represents white and beige adipocytes respectively. n = 3 for all groups.

Table S1. Mapped Ensembl genes and raw read counts from 20 samples. Please see the Excel file.

Table S2. All beige adipocyte, BAT, and WAT marker genes. Please see the Excel file.

Table S3. Primers used for qPCR.

Gene	Forward primer (5' → 3')	Reverse primer (5' → 3')
<i>Letm1</i>	GTGAAGGACATCCAGCCAGAAG	CCTCCAGTACAGGTGCCGTAT
<i>Uqcrc1</i>	CAAGGGAACAAAGAATCGGC	ACAGTGCCTTGATGAGGTAAGC
<i>Pparγ*</i>	GTGCCAGTTTCGATCCGTAGA	GGCCAGCATCGTGTAGATGA
<i>Ucp1*</i>	CTGCCAGGACAGTACCCAAG	TCAGCTGTTCAAAGCACACA
<i>Pgc-1α*</i>	CCCTGCCATTGTAAAGACC	TGCTGCTGTTCCCTGTTTTTC
<i>Tbp*</i>	GCTGTAAACTTGACCTAAAGACCAT	AACGCAGTTGTCCGTGGCTCT
<i>Fabp4*</i>	AAGGTGAAGAGCATCATAACCCT	TCACGCCTTTCATAACACATTCC
<i>Cytb</i>	CGCAGTCATAGCCA CAGCATT	CTTGACCCGATTCTTCGCTT
<i>Cebp/β*</i>	GCAAGAGCCGCGACAAG	GGCTCGGGCAGCTGCTT
<i>Tbx1*</i>	GGCAGGCAGACGAATGTTC	TTGTCATCTACGGGCACAAAG
<i>Prdm16*</i>	ACCTGCCACAGCAAAGAA	CCATCCAAGCAGAGAAGTAGAC
<i>Cd137*</i>	GAGGTCAGAAGAGAAAGGGTTG	GTAGAGGACCCAGGTTTGATTC
<i>Cited1*</i>	AACCTTGAGTGAAGGATCGC	GTAGGAGAGCCTATTGGAGATGT

*Primers for mice were from previous publications (2, 10, 38, 39).