SUPPLEMENTARY MATERIAL

Assessment of the aging of the brown adipose tissue by ^{18}F-FDG PET/CT imaging in the progeria mouse model Lmna$^{-/-}$

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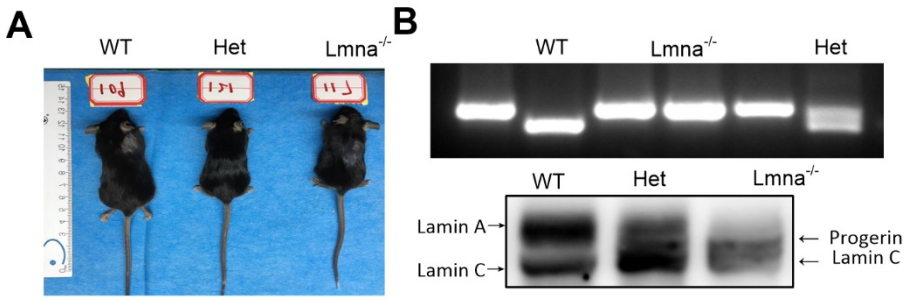
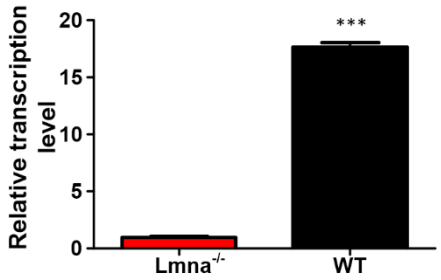
Materials and Methods

The primers of the Lamin A were synthesized from the Takara. Forward primer: CTATTGCATGCTTCTCCTCAG; Reverse primer: TGAGCGCAGGTTGTACTCAG. The PCR conditions to amplify the Lamin A were set as follows: pre-heating for 5 minutes at 95°C, and 40 cycles of denaturation (30 seconds at 95°C), annealing (60 seconds at 59°C) and elongation (30 seconds at 72°C), and 5 minutes at 72°C. The Lamin A/C antibody was purchased from the Abcam(EPR4068).

FIGURE LEGENDS



Supplementary figure 1. Identification of Lmna$^{-/-}$ mice. (A) The photograph of the three kinds of mice at 14 weeks age. Het, Heterozygote; (B) Lmna$^{-/-}$ mice were identified by PCR and western blot. Progerin, the truncated type of Lamin A.



Supplementary figure 2. Relative transcription levels of GLUT1 in the BAT of Lmna$^{-/-}$ and WT mice. *** $P < 0.001$.