PERK-mediated translational control is required for collagen secretion in chondrocytes

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A

B

C

Supplemental figure 1
(A) Representative fluorescence micrographs of immunohistochemistry for COL2A1 of tibial sections from wild-type or Perk−/− mice at 16.5 dpc. Scale bar, 200 µm. Relative fluorescence intensity was presented as the mean fold change ± SD versus that of wild-type mice (n = 4 technical replicates, NS = not significant).
(B) Representative micrographs of immunohistochemistry for bromodeoxyuridine (BrdU) in tibial sections from wild-type or Perk−/− mice at 16.5 dpc. The sections were counterstained using hematoxylin. Scale bar, 200 µm. Ratio of BrdU-positive cells divided by the total number of cells was expressed as the mean ± SD (n = 4 technical replicates, NS = not significant).
(C) Representative micrographs of TUNEL staining of tibial sections from wild-type or Perk−/− mice at 16.5 dpc. Scale bar, 200 µm.
Supplementary Figure 2. Uncropped images for immunoblots for Fig 1C.
Supplementary Figure 3. Uncropped images for immunoblots for Fig 2A, 2C and 4G.