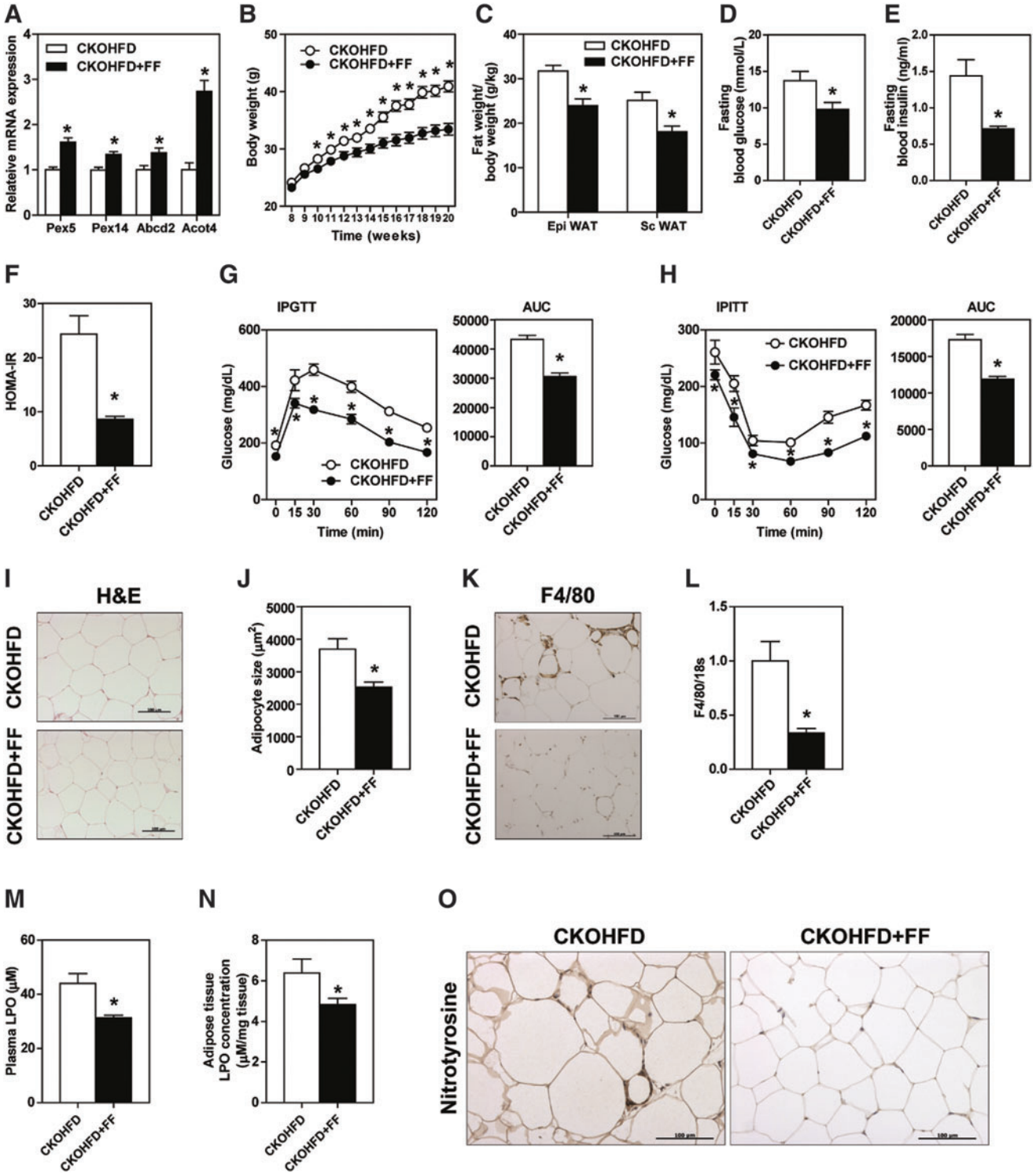

SUPPLEMENTARY FIG. S7. Fenofibrate treatment increases peroxisomal biogenesis and attenuates HFD-induced adipocytes injury in CKO mice. **(A)** Relative mRNA levels of Pex5, Pex14, Abcd2, and Acot4 in WAT of HFD-fed CKO mice with or without 12-week-fenofibrate treatment. **(B)** Body weight was measured every week. **(C)** Epididymal and subcutaneous WAT weights corrected by body weight are shown. **(D)** Plasma glucose and **(E)** insulin levels were measured in fasting state. **(F)** HOMA-IR was calculated by using this formula: (FPI × FPG)/22.5. **(G)** IPGTT of 18-week-CKO mice was performed by injecting 1 g glucose per kilogram body weight after 16 h fasting; AUC of IPGTT was calculated. **(H)** IPITT was performed by injecting 0.75 IU insulin per kilogram body weight after 5 h fasting; AUC of IPITT was calculated. **(I)** H&E staining and **(J)** measurement of adipocyte size in WAT. **(K)** F4/80 immunostaining and **(L)** mRNA level in WAT are shown. **(M)** Plasma and **(N)** WAT LPO levels were measured. **(O)** Nitrotyrosine immunostaining of WAT is shown. Original magnification: 200×; scale bar: 100 μm. Values represent means ± SE of 7–9 mice. *$p < 0.05$ *versus* CKO HFD. LPO, lipid peroxides.