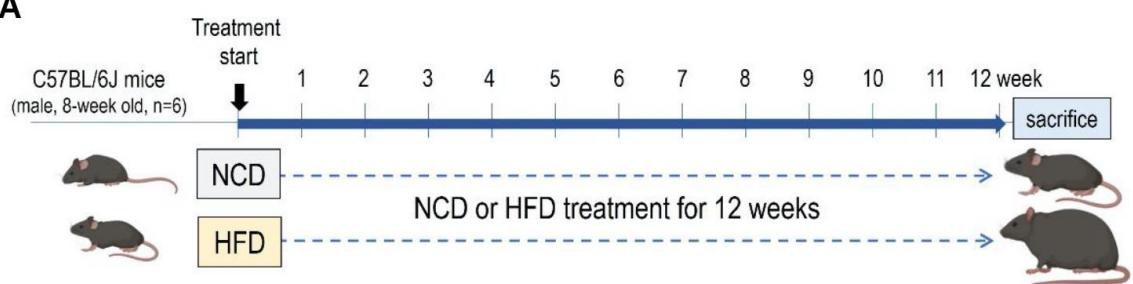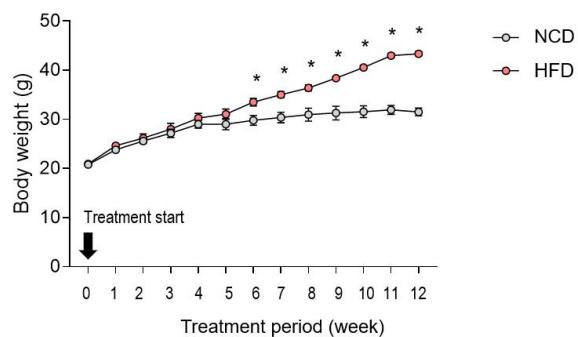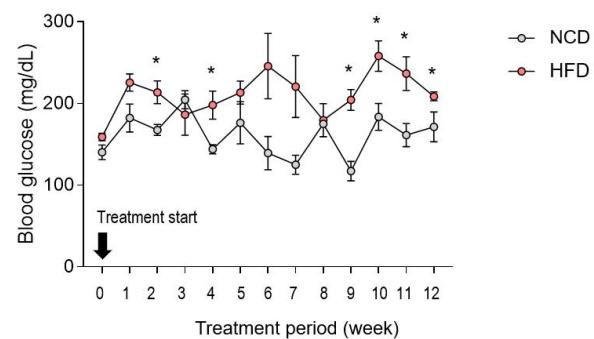**Figure S1** Metabolic changes of NCD and HFD model mice. (A) Schematic of the experimental plan. (B) Body weight measurement of NCD and HFD fed mice. (C) Blood glucose measurements of NCD and HFD fed mice. Statistical analysis was conducted to determine the difference between NCD and HFD model mice using a Mann-Whitney test (non-parametric *t*-test). *, P<0.05. NCD, normal chow diet mice group; HFD, high-fat diet mice group.

Table S1 Primer list

Gene name	Direction	Seq. information
mTGF beta	Forward	CTCCCGTGGCTTCTAGTGC
	Reverse	GCCTTAGTTTGGACAGGATCTG
mαSMA	Forward	AACGCCTTCCGCTGCCC
	Reverse	CGATGCCCGCTGACTCC
mCOL1A1	Forward	GCTCCTCTTAGGGGCCACT
	Reverse	CCACGTCTCACCATTGGGG
mPDGFR	Forward	TTCCAGGAGTGATACCAGCTT
	Reverse	AGGGGGCGTGATGACTAGG
mTIMP1	Forward	GCAACTCGGACCTGGTCATAA
	Reverse	CGGCCCGTGATGAGAAACT
mGDF15	Forward	AGCCGAGAGGACTCGAACTCAG
	Reverse	GGTTGACGCGGAGTAGCAGCT
mGFRAL	Forward	TTCCTGGCTGTTACGTTAAGC
	Reverse	GCCATTTGCATCAATCAAGCA
mIL-1β	Forward	AAGATCGACACATTGATTCCAGC
	Reverse	CATGGTTGAACTGAATTCCCAC
mIL-6	Forward	CTTCGACGTGACAGACGCT
	Reverse	GCAGGGGCAGTGTAAACTTATT
mTNFα	Forward	CAGCACACTCGATATGGACCA
	Reverse	CCTCGGGCTCAGGATAGTCT
mIL-10	Forward	AGACCAAGGTGTCTACAAGGC
	Reverse	CCAAGGAGTTGTTTCCGTTAGC
mCox-2	Forward	AAGCCTTCTCCAACCTCTCC
	Reverse	GCTGGGCAAAGAATGCAAAC
mCCl2	Forward	CATCTGCCCTAAGGTCTTCAG
	Reverse	GGTTGTGGAAAAGGTAGTGGA
mL32	Forward	TCTGGTGAAGCCCAAGATGG
	Reverse	CTCTGGGTTTCCGCCAGT
mBax	Forward	TGAAGACAGGGGCCTTTTTG
	Reverse	AATTCGCCGGAGACACTCG
mBCL-2	Forward	GTCGCTACCGTCGTGACTTC
	Reverse	CAGACATGCACCTACCCAGC
mAco	Forward	ATGCACTACAGCGTCCATGA
	Reverse	AATTTCTACCAATCTGGCTGCAC
mCyp2e1	Forward	CTTTGCAGGAACAGAGACCA
	Reverse	ATGCACTACAGCGTCCATGA

Table S1 (*continued*)

Gene name	Direction	Seq. information
mCyp4a10	Forward	CAACTTGCCCATGATCACACA
	Reverse	CATCCTGCAGCTGATCCTTTC
mNox2	Forward	GAAAACTCCTTGGGTCAGCACT
	Reverse	ATTTCGACACACTGGCAGCA
mGCL-c	Forward	GTTATGGCTTTGAGTGCTGCAT
	Reverse	ATCACTCCCCAGCGACAATC
mGpx-1	Forward	CCAGGAGAATGGCAAGAATGA
	Reverse	TCTCACCATTCACTTCGCACTT
mSod2	Forward	TCTCACCATTCACTTCGCACTT-3
	Reverse	GGTGGCGTTGAGATTGTTCA-3
mG6pdh	Forward	CTGGAACCGCATCATCGTGGAG-3
	Reverse	CCTGATGATCCCAAATTCATCAAAATAG-3
mG6pase	Forward	CGACTCGCTATCTCCAAGTGA
	Reverse	GTTGAACCAGTCTCCGACCA
mPEPCK	Forward	AACTGTTGGCTGGCTCTC
	Reverse	GAACCTGGCGTTGAATGC
mNRF2	Forward	TCTTGGAGTAAGTCGAGAAGTGT
	Reverse	GTTGAAACTGAGCGAAAAAGGC
mPGC-1alpha	Forward	TATGGAGTGACATAGAGTGTGCT
	Reverse	CCACTTCAATCCACCCAGAAAG
m c-Fos	Forward	CTGTCCGTCTCTAGTGCCAAC
	Reverse	CCTCCTGACACGGTCTTCAC
mPSD95	Forward	GGTAACTCAGGTCTGGGCTTC
	Reverse	CACTGCAGCTGAATGGGTCA
mSyp	Forward	ACATGCAAGGAACTGAGGGA
	Reverse	CCAGGTTCAGGAAGCCAAAC

Table S1 (*continued*)