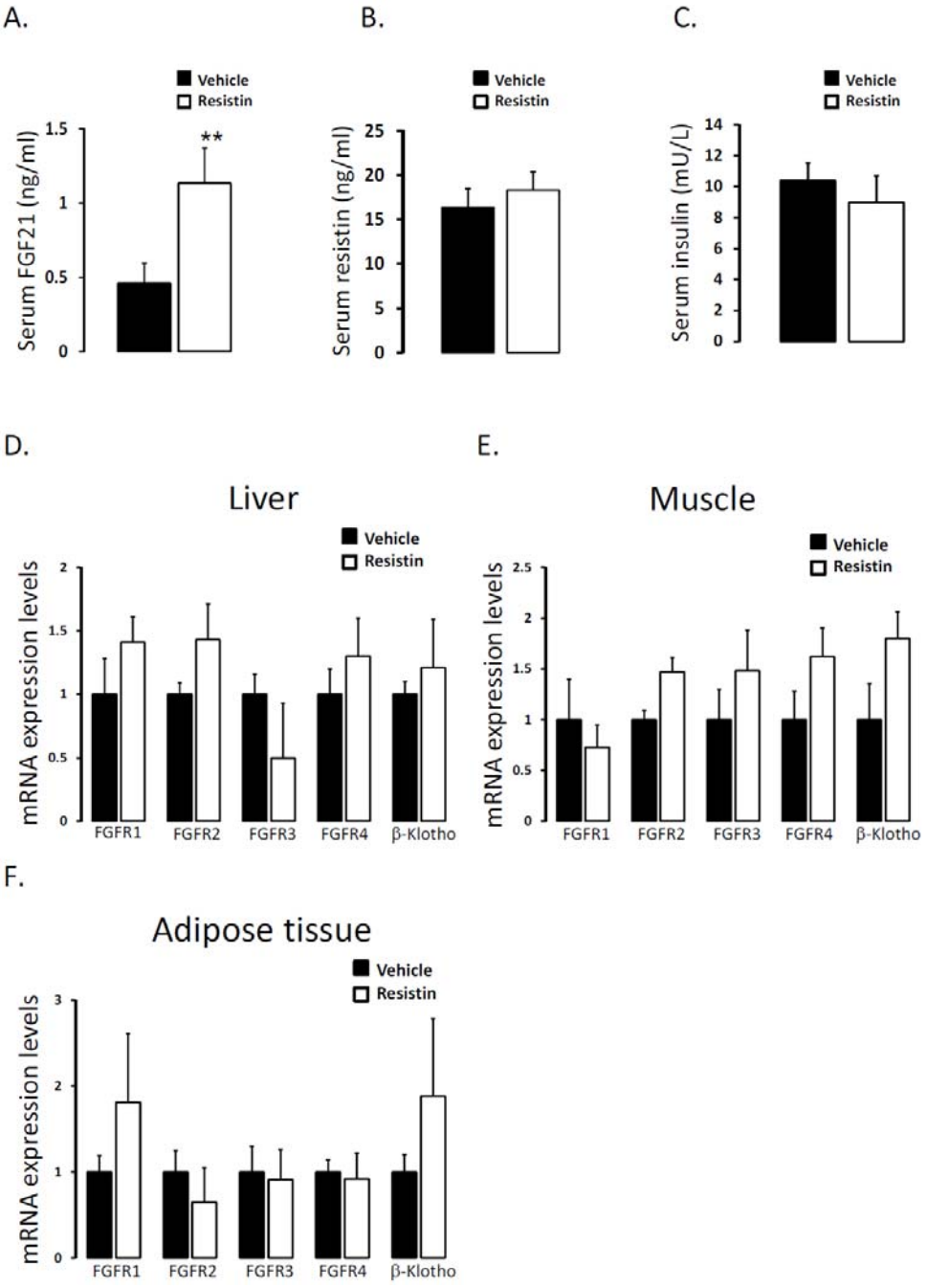
SUPPLEMENTARY DATA

Supplementary Figure S1. Effect of chronic resistin treatment on plasma FGF21 and FGFRs and βKlotho expressions in liver, muscle and adipose tissue of mice. Male C57BL/6J mice were ICV injected with vehicle or resistin (2µg/6 µL/day; pumping rate 0.25 µL/h) during a period of 3 days. At the end of the infusion period, circulating levels of FGF21 (A), resistin (B) and insulin (C) were assessed by ELISA, and relative mRNA expression levels of FGF21, FGFR1, FGFR2, FGFR3, FGFR4 and βKlotho were evaluated by SYBR Green real-time RT-PCR in the liver (D), muscle (E) and adipose tissue (F). All data are expressed as means ± SEM (n=3-6 /group). **P < 0.01 compared with vehicle-treated mice.



SUPPLEMENTARY DATA

Supplementary Table S1. List of PCR primers used in this study.

Gene		Forward primer (5'→3')	Reverse primer (5'→3')
hAdipoR1	**humain**	TTCTTCCTCATGGCTGTGATGT	AAGAAGCGCTCAGGAATTCG
hAdipoR2	**humain**	ATAGGGCAGATAGGCTGGTTGA	GGATCCGGGCAGCATACA
hAppl1	**humain**	GACATCAAGCGGGAGAAGTG	GCCAGTCCAACAGAATCACA
hAppl2	**humain**	AAAGGAGAATGAGAAGGTGAAGA	TGAAGGGAGGAGAGGTGC
hβ-actin	**humain**	ATCGTGCGTGACATTAAGGAGAAG	AGGAAGGAAGGCTGGAAGAGTG
hFGF21	**humain**	TTCTGTGCTGGCTGGTCTTC	TGGGCTTCTGTCTGCTGCTGG
hFGR1	**humain**	CATCACGGCTCTCCTCCAG	CGGTTGGGTTTGTCCTTGTC
hFGR2	**humain**	TCTTCACTTTAGGGGGCTCG	TCCATTCTGTGTCCTTCCTTCA
hFGFR3	**humain**	GAGATGACGAAGACGGGGAG	CAGGAGATGGAGGGAGTGG
hFGFR4	**humain**	CGCTCTCCTTCCCAGTCC	CCAGCCAAAGTCAGCAATC
hβKlotho	**humain**	CACATTTCCGCCCACATCAG	GCAAACCATCCAAGCACAGA
hIR	**humain**	GAGAAGGTGGTGAACAAGGAGTC	CCGTGAAGTGTCGCAAGCC
hTLR4	**humain**	CTGCGTGGAGGTGGTTC	TGGTTGAGAAGGGGAGGTTG
r18S	**rat**	TCCCCGAGAAGTTTCAGCACATCC	CTTCCCATCCTTCACGTCCTTCTG
rAdipoR1	**rat**	GCTGGCCTTTATGCTGCTCG	TCTAGGCCGTAACGGAATTC
rAdipoR2	**rat**	CCACAACCTTGCTTCATCTA	GATACTGAGGGGTGGCAAAC
rAppl1	**rat**	TCACTCCTTCCCCATCTTTCC	GTTCGTGCTGTTGGTGGTC
rAppl2	**rat**	TGTTCATCGTTCGGTTTTTGGG	ACTTGTCGCATCGCTTCATA
rβ-actin	**rat**	CTATCGGCAATGAGCGGTTCC	TGTGTTGGCATAGAGGTCTTTACG
rFGF21	**rat**	TGTGGGTCTGTCTCCTGC	TGGGCTTCGGTGTCCTG
rFGFR1	**rat**	TGGCACCTGAGGCATTGTT	AAGAGCACCCCAAAGACCAC
rFGFR2	**rat**	ACCAACTGCACCAATGAACTGT	TTAAACGTGGGCCTCTGTGA
rFGFR3	**rat**	TGCCTGCTGACCCCAAGT	CCTGTCCAAAGCAGCCTTCT
rFGFR4	**rat**	CCGGCCAGACCAAACC	TCAGGTCTGCCAAATCCTTGT
rβKlotho	**rat**	GACGAGGGCTGTTTTATGTGG	TAATGAGCGGAGGACTTGGG
rIR	**rat**	TGCCACCAATCCTTCCGTTCC	TCCTCCGCCTGCCTCTCC
rTLR4	**rat**	CTGGGGAGGCACATCTTCT	TTTTCCATCCAACAGGGCTT
rAdiponectin	**rat**	TGGAGAGAAGGGAGAGAAAGG	TGAGCGATACACATAAGCGG
m18s	**mouse**	GTGGGCCTGCGGCTTAAT	GCCAGAGTCTCGTTCGTTATC
mAdipoR1	**mouse**	GCTGGCCTTTATGCTGCTCG	TCTAGGCCGTAACGGAATTC
mAdipoR2	**mouse**	CCACAACCTTGCTTCATCTA	GATACTGAGGGGTGGCAAAC
mAppl1	**mouse**	AGCAACACACCTGACTTCG	CCCCCAAAGGAAAACGCTG
mAppl2	**mouse**	GGAGAACGAGAAGGCGAAGA	ACTGAAGGGATGAGAGGTGC
mβ-actin	**mouse**	TGAGAGGGAAATCGTGCGTGAC	GCTCGTTGCCAATAGTGATGACC
mFGF21	**mouse**	TACCAAGCATACCCCATCCC	TGTCCTTGGTCGTCATCTGTGT
mFGFR1	**mouse**	TGTTTGACCGGATCTACACACA	CTCCCACAAGAGCACTCCAA
mFGFR2	**mouse**	TCGCATTGGAGGCTATAAGG	CGGGACCACACTTTCCATAA
mFGFR3	**mouse**	GCATCCTCACTGTGACATCAAC	CCTGGCGAAGTACTGCTCAAA
mFGFR4	**mouse**	CGCCAGCCTGTCACTATACAAA	CCAGAGGACCTCGACTCCAA
mβKlotho	**mouse**	CTCTGTGCTTGGATGGTTCG	CCTCACCTCCTCCTTCTCTG
mTLR4	**mouse**	CTGGGGAGGCACATCTTCTGG	TGCCGTTTCTTGTTCTTCCTCTGCT