Supplementary Table 1: Sequences used for the generation of APPBP2^{S561N} knock-in mice and HEK293 cells

sgRNA for mouse APPBP2 S561N knock-in	GGCTGCTGCTGACGTCTTCAAGG
Mouse genotyping forward primer	TGTGTTGCTTTAGGGAAGAAACTG
Mouse genotyping reverse primer	TTCTACAGGAACTGCAATACAGGA
Donor sequence for HEK293 APPBP2 S561N knock-in	GTGACAGATGCTCTTGAAGACGTCAATACAAGCCCCCAGTCCACTGAAGAAGTGGTGCAG
sgRNA for HEK293 APPBP2 S561N knock-in	TTCTTCAGTGGACTGGGGGC

Supplementary Table 2: Primer sequences used for gene expression analysis.

Gene	Forward Primer	Reverse Primer
Actin	GTGACGTTGACATCCGTAAAGA	GCCGGACTCATCGTACTCC
Rps18	CATGCAAACCCACGACAGTA	CCTCACGCAGCTTGTTGTCTA
Prdm16	CAGCACGGTGAAGCCATTC	GCGTGCATCCGCTTGTG
Ucp1	TCTCAGCCGGCTTAATGACTG	GGCTTGCATTCTGACCTTCAC
Ppargc1a	AGCCGTGACCACTGACAACGA	GCTGCATGGTTCTGAGTGCT
Cox7a1	CAGCGTCATGGTCAGTCTGT	AGAAAACCGTGTGGCAGAGA
Cidea	TCCTATGCTGCACAGATGACG	TGCTCTTCTGTATCGCCCAGT
Elovl3	GTGTGCTTTGCCATCTACACG	CTCCCAGTTCAACAACCTTGC
PParg	GCATGGTGCCTTCGCTGA	TGGCATCTCTGTGTCAACCATG
Adiponectin	AGATGGCACTCCTGGAGAGAA	TTCTCCAGGCTCTCCTTTCCT
Fabp4	GATGAAATCACCGCAGACGAC	ATTCCACCACCAGCTTGTCAC
Tgfb	CTCCCGTGGCTTCTAGTGC	GCCTTAGTTTGGACAGGATCTG
Nos2	GTTCTCAGCCCAACAATACAAGA	GTGGACGGGTCGATGTCAC
Tnfa	ACACTCAGATCATCTTCTCAAAATTCG	GTGTGGGTGAGGAGCACGTAGT
Col1a1	GCTCCTCTTAGGGGCCACT	CCACGTCTCACCATTGGGG
Col3a1	CTGTAACATGGAAACTGGGGAAA	CCATAGCTGAACTGAAAACCACC
Col4a1	CTGGCACAAAAGGGACGAG	ACGTGGCCGAGAATTTCACC
Col14a1	TTTGGCGGCTGCTTGTTTC	CGCTTTTGTTGCAGTGTTCTG
Col15a1	CCCAGGGAAGAATGGAGAAGT	CCAGAGCCTTCAATCTCAAATCC
Col16a1	GAGAGCGAGGATACACTGGC	CTGGCCTTGAAATCCCTGG

Lgals3	AGACAGCTTTTCGCTTAACGA	GGGTAGGCACTAGGAGGAGC
Lox	CAGCCACATAGATCGCATGGT	GCCGTATCCAGGTCGGTTC
Pcolce2	TGTGGCGGCATTCTTACCG	CCCTCAGGAACTGTGATTTTCCA
Itgb2	CAGGAATGCACCAAGTACAAAGT	CCTGGTCCAGTGAAGTTCAGC
Mmp3	ACATGGAGACTTTGTCCCTTTTG	TTGGCTGAGTGGTAGAGTCCC
Mmp9	CTGGACAGCCAGACACTAAAG	CTCGCGGCAAGTCTTCAGAG
Mmp12	GAGTCCAGCCACCAACATTAC	GCGAAGTGGGTCAAAGACAG
Mmp14	CAGTATGGCTACCTACCTCCAG	GCCTTGCCTGTCACTTGTAAA
Mmp19	CTGTGGCTGGCATTCTTACTT	GGGCAGTCCAGATGCTTCC