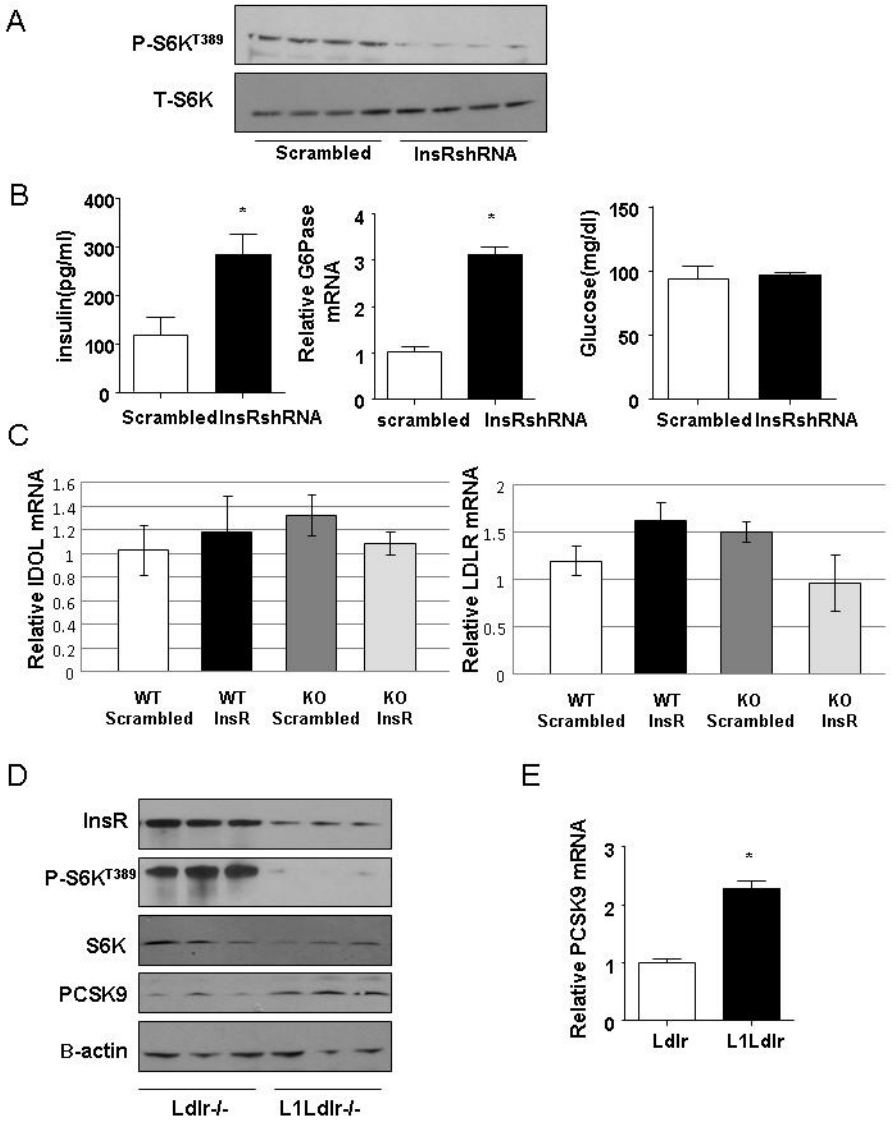
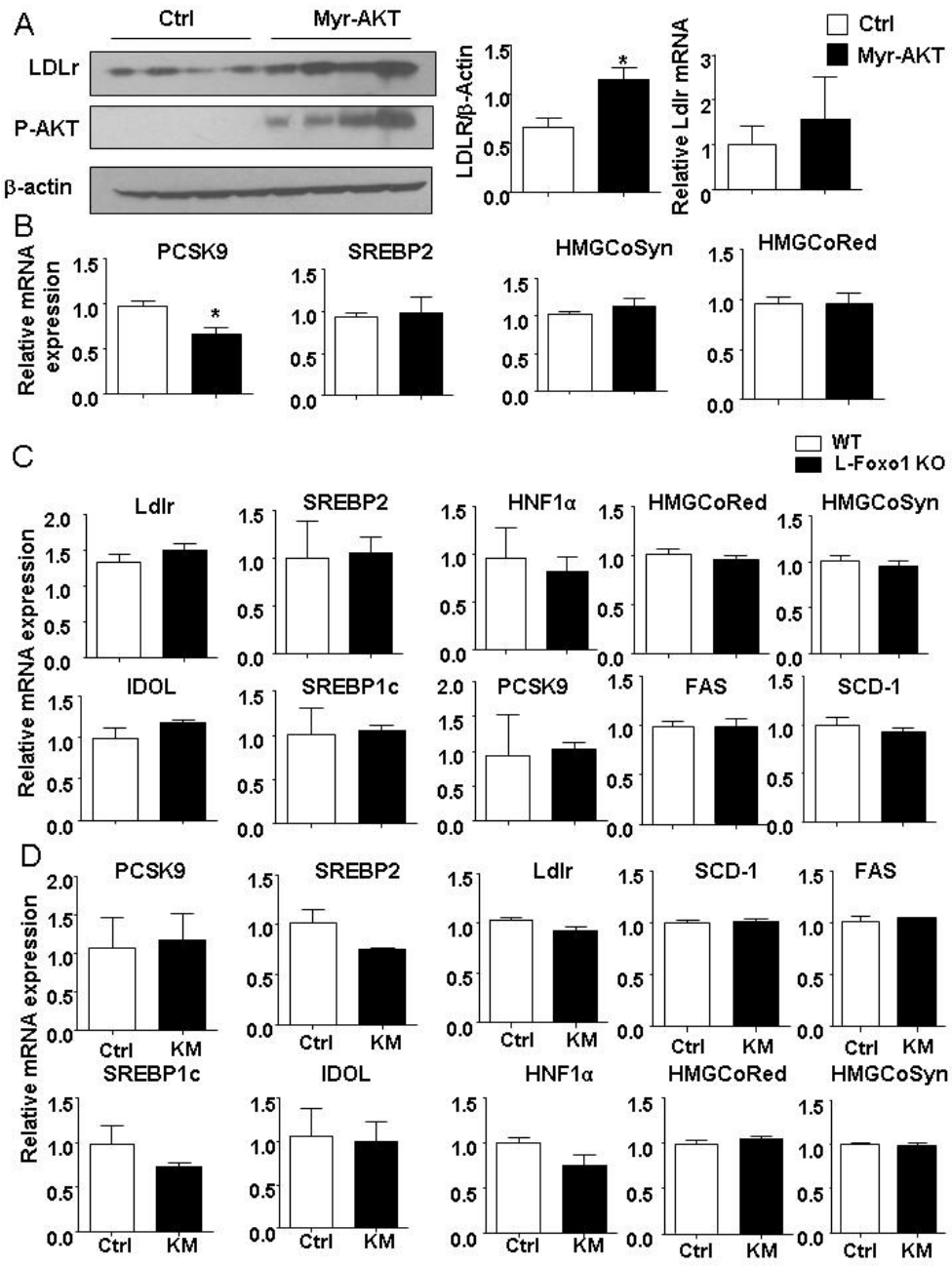
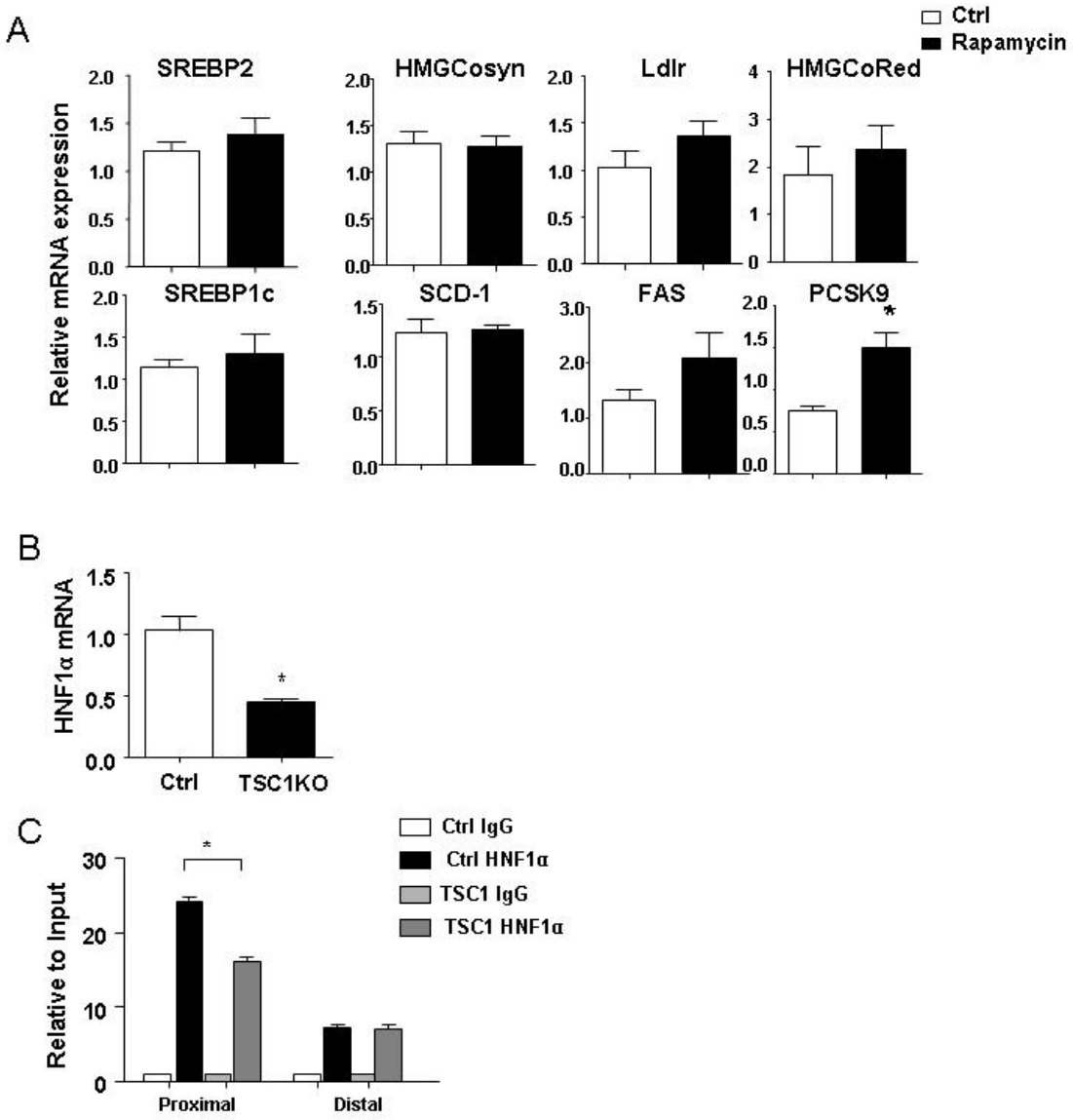


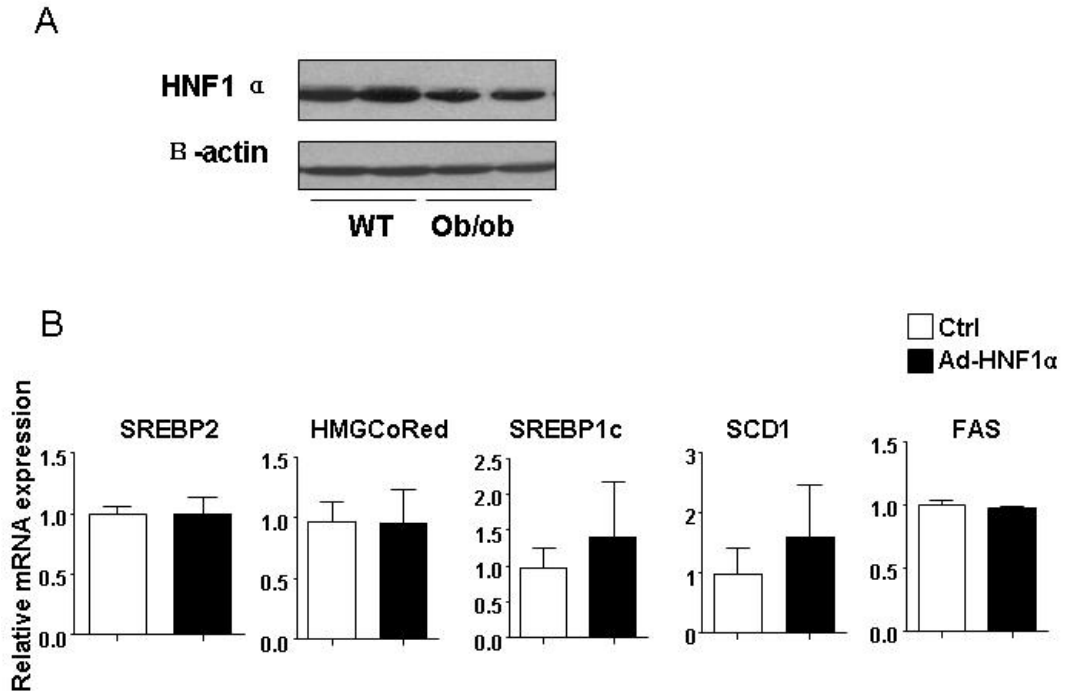
FigureS1 (A) Protein level of hepatic p-S6K^{T389} and total S6K were measured in mice with Scrambled or InsRshRNA. (B) The plasma insulin, glucose and hepatic Glucose-6-Phosphotase mRNA level in the C57/BL6 mice which were injected with InsRshRNA adenovirus and sac on the 11th day. (C) Hepatic *Ldlr* and *Idol* mRNA level in WT and PCSK9 knockout with InsRshRNA. (D) Western blot analysis of InsR, p-S6K^{T389}, total S6K, and Pcsk9 proetin levels in the liver of *Ldlr-/-* and *L1Ldlr-/-* mice. (E) Analysis of hepatic Pcsk9 gene expression by Q-PCR in *Ldlr-/-* and *L1Ldlr-/-* mice. *P<0.05, n=4-5.



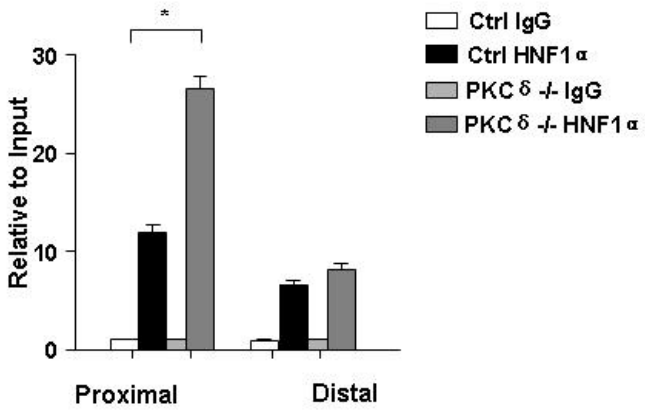
FigureS2 (A) The C57/Bl6 mice were injected with myr-AKT adenovirus and sac in the 11th day. Immunoblots of LDLR, p-AKT and β-actin. (B) The hepatic gene expression was measured in the mice with myr-AKT or empty adenovirus. (C) The gene expression was measured in the liver of WT and L-foxO1 mice. (D) Q-PCR was performed to measure the gene expression in the liver of control or GSK-KM mice. *P<0.05, N=4-5



FigureS3 (A) The mRNA level of *Ldlr*, *Pcsk9, Srebp1c, Srebp2,* and their target genes in mice treated with rapamycin (Rapa). (B) The mRNA level of *Hnf1α* in the liver of Ctrl or *Li-TSC1*$^{-/-}$ mice. (C) *Pcsk*9 promoter ChIP assay in the liver of Ctrl or *Li-TSC1*$^{-/-}$ mice using the HNF1α or IgG antibody. *P<0.05, N=4-5.



FigureS4 (A) The expression of HNF1α in ob/ob mice (B) The mRNA levels of *Srebp1c, Srebp2,* and their target genes in the mice of control or HNF1α mice.



FigureS5 *Pcsk9* promoter ChIP assay in the *TSC1-/-* MEFs with Ctrl or PKCδ siRNA using the HNF1α or IgG antibody. *P<0.05, N=3-4.

FigSTable1

mRNA	Type	Sequence 5'to 3'
SREBP1c	Forward	GGAGCCATGGATTGCACATT
	Reverse	CCTGTCTCACCCCCAGCATA
SCD-1	Forward	CTGCAGGTTGTGCTAGATGGGATGG
	Reverse	GCCTGGGGTCTTTGGTAAGTAGGC
FAS	Forward	GGCATCATTGGGCACTCCTT
	Reverse	GCTGCAAGCACAGCCTCTCT
SREBP2	Forward	GTGCGTCTATCAAGTCCAGAATG
	Reverse	GAGACTGTCTCCTTTCTGCCTCT
HMG-CoARed	Forward	CTTTCAGAAACGAACTGTAGCTCAC
	Reverse	CTAGTGGAAGATGAATGGACATGAT
HMG-CoASyn	Forward	CAGCCATTTGTTACAGCTTATTCTC
	Reverse	CTTTTTAATTGCCACATATTATTTTAGAA
PCSK9	Forward	TTGCAGCAGCTGGGAACTT
	Reverse	CCGACTGTGATGACCTCTGGA
HNF1alpha	Forward	GCACCAGAGACCCACGTGCC
	Reverse	GGCTTCCCCTCAGCTCCCGA
LDLR	Forward	CGCGGATCTGATGCGTCGCT
	Reverse	CGGCCCTGGCAGTTCTGTGG
ACC1	Forward	TGGACAGACTGATCGCAGAGAAAG
	Reverse	TGGAGAGCCCCACACACA
G6Phosphatase	Forward	AGGGCTAGGGGTGGACCTCCT
	Reverse	GGTGGACCCATTCTGGCCGC
IDOL	Forward	AGGAGATCAACTCCACCTTCTG
	Reverse	ATCTGCAGACCGGACAGG
PCSK9 ChIP Proximal	Forward	CCCCGAGCCCCATCGGAAGA
	Reverse	AGGGCGAGGCCGAAACCTGA
PCSK9 ChIP Distal	Forward	AGGCCCAGGGGACTAAGCTGG
	Reverse	CCAAGGTGGTGGGCTATGCGG