

Table 1S Primers sequences for quantitative real time PCR

Gene	Primer	Sequence (5'-3')	Size (bp)
IR	Forward primer	CCAACTTGGGTGACCCTACC	163
	Reverse primer	ACGAACTCCCAGGATAGCCA	
IRS-1	Forward primer	TGTGAAGTGCTGTGGCTAGG	163
	Reverse primer	TCCCCGAGTTGTCCTCCATA	
IRS-2	Forward primer	GCCACAGTCGTGAAAGAGTA	134
	Reverse primer	GTTGGTCGGAAACATGCCAA	
PI3K	Forward primer	GTGAGCTGTCATTGTGGGGA	137
	Reverse primer	TGCATTGCGAAAGCACAGTT	
ATK	Forward primer	AGGAAGGGGTGCCTGGTAT	320
	Reverse primer	GTCGCCAACAGTCTGAAGC	
GLUT-4	Forward primer	GCCTGCCCCGAAAGAGTCTAA	122
	Reverse primer	GGAGCTGGAGCAAGGACATT	
GSK-3 β	Forward primer	GATGGATCACTTCGGCCTGT	175
	Reverse primer	ACACAGCGTTTGCTTTTCCT	
β -actin	Forward primer	AGATCAAGATCATTGCTCCTCCT	174
	Reverse primer	ACGCAGCTCAGTAACAGTCC	

Table 2S Effect of SPLP on the histopathology of liver in T2DM mice

Groups	Hepatocyte steatosis	Inflammatory cell infiltration
NC	-	-
DC	+++	+++
MET	++	+
SPLP-L	+	++
SPLP-H	-	+
ETH-L	+	++
ETH-H	-	-
KAE-L	++	++
KAE-H	+	+

“-”, no lesion; “+”, minor lesion, “++”, moderate lesion; “+++”, severe lesion

Table 3S Effects of SPLP on the histopathology of pancreas in T2DM mice

Groups	Islet	β -cells
NC	-	-
DC	+++	+++
MET	+	+
SPLP-L	+	++
SPLP-H	+	+
ETH-L	++	++
ETH-H	+	+
KAE-L	+	-
KAE-H	+	-

“-”, no lesion; “+”, minor lesion, “++”, moderate lesion; “+++”, severe lesion

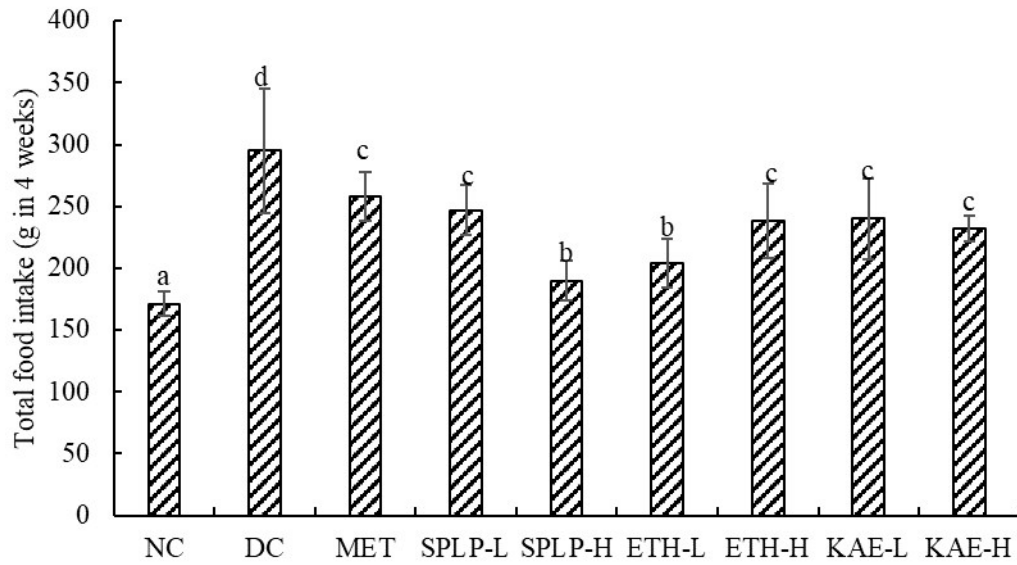


Figure 1S Effects of SPLP on the total food intake in T2DM mice (Results having different letters (a-d) in the same pattern are significantly different, $p < 0.05$).

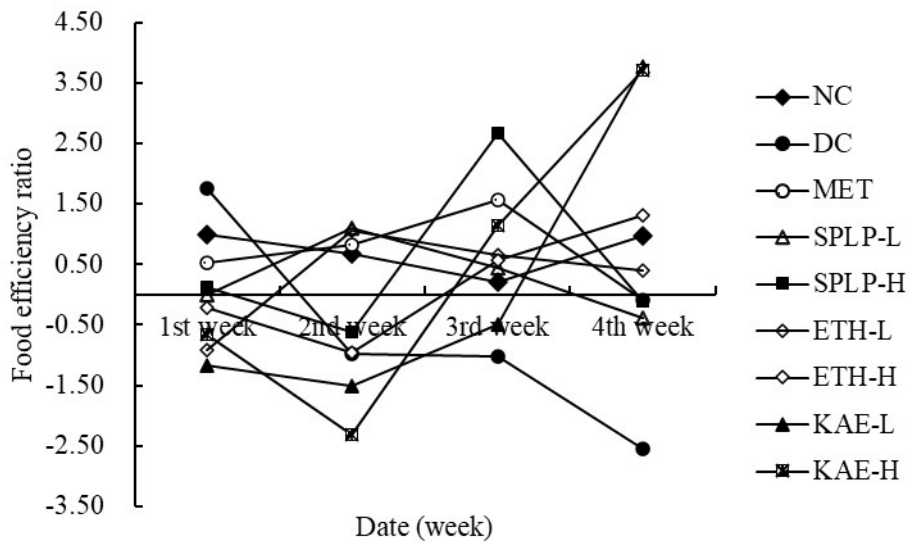


Figure 2S Effects of SPLP on the food efficiency ratio in T2DM mice