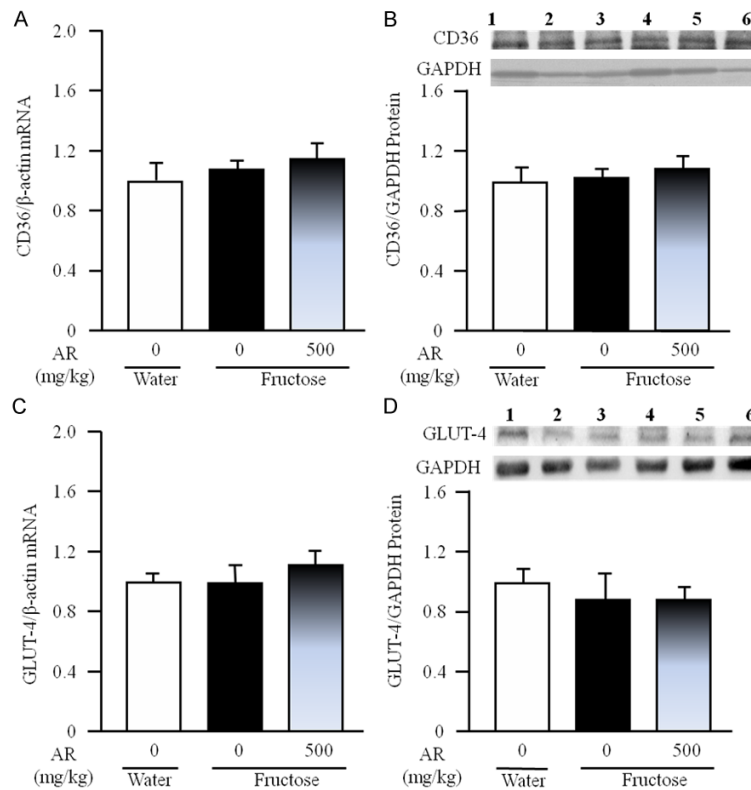


A mixture of apple pomace and rosemary extract improves IR in rats

Supplementary Table 1. Intakes of fructose and chow, body weight, fat mass, and the weight, TC and TG of liver in rats

Parameter	Group			
	Water AR 0 (mg/kg)	Fructose AR 0 (mg/kg)	Fructose AR 100 (mg/kg)	Fructose AR (500 mg/kg)
Fructose intake (g/5 w/3 rats)	-	1152±36	1133±35	1183±37
Chow intake (g/5 w/3 rats)	2463±51*	1372±52	1455±52	1596±53*
Body weight (g)	383.6±12.7	389.9±18.3	385.4±17.6	401.4±17.6
e+p FAT weight (g)	7.696±0.738*	12.368±1.025	12.039±1.297	14.358±1.548
Liver weight (g)	9.305±0.426	9.526±0.375	9.781±0.397	10.242±0.502
Liver TC (μmol/g)	5.6±0.7*	8.5±1.2	8.5±0.6	9.3±0.4
Liver TG (μmol/g)	48.2±5.5*	113.3±15.3	91.5±14.4	88.1±10.7

e+p FAT: epididymal + perirenal fat; TC, total cholesterol; TG, triglyceride. vs fructose AR 0 mg/kg, *P<0.05.



Supplementary Figure 1. Expression of CD36 (A) and GLUT-4 (C) mRNAs and CD36 (B) and GLUT-4 (D) proteins (Lanes 1 & 2, water control; Lanes 3 & 4, fructose control; Lanes 5 & 6, fructose AR (500 mg/kg) in the gastrocnemius of rats. The fructose controls (AR 0 mg/kg) and fructose AR (500 mg/kg) groups had free access to 10% fructose in their drinking water over 13 weeks. The water controls (AR 0 mg/kg) had free access to a tap water. AR was administered by gavage daily during the last 5 weeks. The water and fructose controls received vehicle (5% Gum Arabic) alone. mRNA was determined by Real-time PCR and normalized to β-actin, while protein expression was analyzed by Western blot and normalized to GAPDH. Expression in water control was arbitrarily assigned a value of 1. Data are means ± SEM (n=6-9 each group).