

**Supplementary Table 1.** Multiple linear regression analysis of liver enzyme variability

	Insulin secretion indices			Insulin sensitivity indices		Inflammatory markers	
	HOMA-B%	IGI60	Disposition index	HOMA-IR	ISI	White blood cell count	hsCRP
AST							
SD			-0.007	0.039 <sup>a</sup>			0.034 <sup>b</sup>
CV			-0.015	0.047 <sup>b</sup>		0.043 <sup>b</sup>	
ASV			-0.006	0.036 <sup>a</sup>		0.025	
VIM	0.022			0.027		0.031 <sup>a</sup>	
ALT							
SD			-0.013		-0.079 <sup>c</sup>		0.033 <sup>a</sup>
CV			-0.018	0.078 <sup>c</sup>			0.034 <sup>a</sup>
ASV			-0.008		-0.063 <sup>c</sup>	0.022	
VIM	0.047 <sup>c</sup>			0.006			0.007

Values are presented as standardized  $\beta$  coefficients.

HOMA-B%, homeostasis model assessment of  $\beta$ -cell function; IGI, insulinogenic index; HOMA-IR, homeostasis model assessment of insulin resistance; ISI, insulin sensitivity index; hsCRP, high-sensitivity C-reactive protein; AST, aspartate aminotransferase; SD, standard deviation; CV, coefficient of variation; ASV, average successive variability; VIM, variability independent of the mean; ALT, alanine aminotransferase.

<sup>a</sup> $P < 0.05$ , <sup>b</sup> $P < 0.01$ , <sup>c</sup> $P < 0.001$ .