

**Supplementary Table S1.** Results of univariate analysis between clinical variables and serum stromal derived factor-1 (SDF-1) in patients with heterozygous familial hypercholesterolemic (HeFH) and controls.

	HeFH		Controls	
	r	p-value	r	p-value
Age (yrs)	0.11	0.374	-0.02	0.930
Gender (m/f)	0.22	0.068	0.30	0.143
Body mass index (kg/m <sup>2</sup> )	-0.10	0.488	-0.18	0.379
Fasting glucose (mmol/L)	-0.05	0.691	0.06	0.733
Cholesterol (mmol/L)	0.03	0.783	-0.21	0.255
Ig Triglyceride (mmol/L)	-0.22	0.069	<b>-0.36</b>	<b>0.044</b>
LDL-C (mmol/L)	0.08	0.535	-0.30	0.102
ApoB100 (g/L)	-0.16	0.188	-0.37	0.074
VLDL (mmol/L)	-0.17	0.189	<b>-0.44</b>	<b>0.014</b>
IDL (mmol/L)	0.11	0.383	0.01	0.967
Large LDL (mmol/L)	0.19	0.131	-0.35	0.057
Mean LDL size (mmol/L)	<b>0.26</b>	<b>0.041</b>	0.33	0.069
HDL-C (mmol/L)	0.12	0.320	0.18	0.339
ApoA1	0.06	0.626	0.04	0.871
Large HDL (mmol/L)	<b>0.27</b>	<b>0.032</b>	0.19	0.297
Intermediate HDL (mmol/L)	0.23	0.067	0.23	0.216
Small HDL (mmol/L)	-0.14	0.278	-0.17	0.375
Oxidized LDL (U/L)	-0.02	0.856	-0.29	0.113
Ig MPO	-0.10	0.395	0.01	0.960

Significant correlations (p<0.05) are marked in bold print. Abbreviations: ApoA1: apolipoprotein A1; ApoB100: apolipoprotein B100; HDL-C: high-density lipoprotein cholesterol; IDL; intermediate-density lipoprotein; LDL-C: low-density lipoprotein cholesterol; MPO: myeloperoxidase; oxLDL: oxidized LDL; VLDL; very-low density lipoprotein.

Notes: The relationship between variables and SDF-1 was analyzed with Pearson's univariate test.