

Additional File 3.

Multivariate linear regression to test the association between *PCSK9* LOF genotype on endothelial dysfunction markers, accounting for age, complicated course, and serum HDL as covariates.

Variable	Term	Est.	SE	P value
Angpt-1	Age	-0.221	0.367	0.548
	Complicated Course	-2.687	1.984	0.177
	HDL	0.316	0.110	0.004
	LOF	-7.336	2.371	0.002
Angpt-2	Age	-0.144	0.135	0.286
	Complicated Course	2.932	0.737	0.000
	HDL	-0.130	0.041	0.002
	LOF	0.757	0.875	0.388
Tie-2	Age	-0.446	0.185	0.016
	Complicated Course	-0.324	0.998	0.746
	HDL	0.128	0.056	0.022
	LOF	-2.022	1.197	0.092
Angpt-2/ Angpt-1	Age	-0.018	0.030	0.559
	Complicated Course	0.431	0.165	0.010
	HDL	-0.010	0.009	0.280
	LOF	0.154	0.195	0.433
Angpt-2/ Tie-2	Age	0.001	0.011	0.924
	Complicated Course	0.160	0.061	0.009
	HDL	-0.011	0.003	0.001
	LOF	0.090	0.073	0.215
sTM	Age	-0.190	0.086	0.028
	Complicated Course	2.700	0.466	0.000
	HDL	0.001	0.026	0.976
	LOF	0.412	0.559	0.462
ICAM-1	Age	-5.302	5.629	0.347
	Complicated Course	242.854	30.428	0.000
	HDL	-0.930	1.702	0.585
	LOF	52.358	36.486	0.152

VCAM-1	Age	25.089	29.915	0.402
	Complicated Course	-39.239	162.169	0.809
	HDL	-39.180	9.009	0.000
	LOF	350.791	193.752	0.071