Supplement Material

Table I. Mean levels of autoantibody titers and apoB-immune complexes in patients according to sex.

Variable	Male (n=1546)	Female (N=1963)	P-Value
Entire group			
IgG MDA-LDL	5055 (3401-7771)	5484 (3593-8150)	0.97
IgM MDA-LDL	13525 (9546-18954)	16678 (12344-22724)	<0.001
IgG ApoB-IC	4240 (3302-5353)	4113 (3280-5232)	0.018
IgM ApoB-IC	3065 (2044-4494)	3653 (2411-5330)	<0.001
Black			
IgG MDA-LDL	5964 (4142-9039)	6036 (4252-8716)	0.17
IgM MDA-LDL	13552 9312-18887)	16615 (12062-22357)	<0.001
IgG ApoB-IC	4457 (3385-5510)	4143 (3209-5264)	<0.001
IgM ApoB-IC	3045 (2035-4775)	3454 (2302-5136)	0.13
White			
IgG MDA-LDL	3941 (2875-5691)	4601 (3042-7960)	0.11
IgM MDA-LDL	13657 (9694-19106)	16888 (12481-23744)	<0.001
IgG ApoB-IC	4011 (3141-4958)	4075 (3197-5139)	0.94
IgM ApoB-IC	2942 (1916-4073)	3584 (2358-4909)	<0.001
Hispanic			
IgG MDA-LDL	4496 (3102-6877)	4966 (3087-7388)	0.99
IgM MDA-LDL	13433 (9881-18645)	16632 (12844-22747)	0.46
IgG ApoB-IC	4119 (3295-5283)	4001 (3222-5252)	<0.001
IgM ApoB-IC	3521 (2270-4627)	4636 (3040-6203)	0.72

Values are median (IQR) in relative light units.

Table II. Mean levels of autoantibody titers and apoB-immune complexes in patients according to demographic variables.

	IgG MDA-LDL	IgM MDA-LDL	IgG ApoB-IC	IgM ApoB-IC
HTN, no	5315 (3617-8158)	15465 (11219-21705)	4130 (3256-5331)	3392 (2218-4934)
HTN, yes	5318 (3479-7845	15333 (10781-21038)	4214 (3242-5310)	3388(2233-4945)
P-value	0.21	0.10	0.87	0.64
Diabetes, no	5303 (3558-8140)	13906 (9923-18822)	4408 (3288-5579)	2875 (1880-4339)
Diabetes, yes	5280 (3522-7952)	15559 (11090-21601)	4145 (3238-5238)	3454 (2287-5048)
P-value	0.69	0.001	0.027	<0.001
Not current smoking	5093 (3449-7571)	15544 (11124-21182)	4340 (3407-5497)	3399 (2249-5047)
Current smoking	5823 (3743-8984)	14810 (10583-21292)	3731 (2941-4739)	3372 (2165-4726)
P-value	<0.001	0.34	<0.001	0.90

Values are median (IQR) in relative light units.

Table III. Spearman correlations between continuous variables.

		IgM MDA-LDL	IgG ApoB-IC	IgM ApoB-IC	Age	BMI	TC	LDL-C	HDL-C	TG	VLDL-C
IgG MDA-LDL	Spearman rho	0.12	0.24	0.10	0.04	0.02	-0.07	-0.07	0.06	-0.07	-0.07
	p-value	<0.001	<0.001	<0.001	0.024	0.22	<0.001	<0.001	0.001	<0.001	<0.001
IgM MDA-LDL	Spearman rho		-0.04	0.61	-0.13	-0.01	-0.04	-0.04	0.03	-0.03	-0.03
	p-value		0.04	<0.001	<0.001	0.411	0.024	0.011	0.135	0.076	0.063
IgG ApoB-IC	Spearman rho			-0.03	0.07	0.09	-0.06	-0.06	0.00	0.00	0.00
	p-value			0.086	<0.001	<0.001	0.001	<0.001	0.812	0.814	0.943
IgM ApoB-IC	Spearman rho				-0.26	-0.12	-0.11	-0.12	0.04	-0.05	-0.05
	p-value				<0.001	<0.001	<0.001	<0.001	0.013	0.002	0.002
Age	Spearman rho					0.07	0.18	0.11	0.08	0.14	0.14
	p-value					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BMI	Spearman rho						0.06	0.10	-0.21	0.21	0.21
	p-value						<0.001	<0.001	<0.001	<0.001	<0.001
TC	Spearman rho							0.87	0.07	0.35	0.35
	p-value							<0.001	<0.001	<0.001	<0.001
LDL-C	Spearman rho								-0.14	0.17	0.17
	p-value								<0.001	<0.001	<0.001
HDL-C	Spearman rho									-0.44	-0.44
	p-value									<0.001	<0.001
TG	Spearman rho										1.00
	p-value										<0.001

Table IV. Binary Logistic regression analysis for the presence or absence of coronary artery calcium by ethnicity.

Black	Odds ratio	95% CI Lower	Upper	P-Value
Age per decile	4.16	3.37	5.13	<0.001
Male sex	2.75	1.96	3.87	<0.001
Hypertension	1.10	0.81	1.49	0.56
Diabetes	1.74	1.15	2.63	0.009
Current smoking	3.18	2.28	4.44	<0.001
BMI	1.02	1.00	1.05	0.091
LDL-C per SD	1.05	0.91	1.05	0.52
HDL-C per SD	1.04	0.92	1.15	0.62
Triglycerides per SD	1.12	0.94	1.33	0.20
IgG MDA-LDL per SD	1.25	1.05	1.48	0.011
IgM MDA-LDL per SD	0.98	0.82	1.18	0.84
IgG ApoB-IC per SD	0.93	0.80	1.08	0.34
IgM ApoB-IC per SD	1.09	0.90	1.338	0.36

White	Odds ratio	95% CI Lower	Upper	P-Value
Age per decile	5.00	3.71	6.74	<0.001
Male sex	3.51	2.16	5.68	<0.001
Hypertension	1.47	0.96	2.24	0.073
Diabetes	2.93	1.41	6.09	0.004
Current smoking	1.73	1.09	2.76	0.020
BMI	1.03	0.99	1.07	0.21

	Odds ratio	Lower	Upper	P-Value
LDL-C per SD	1.24	1.01	1.52	0.038
HDL-C per SD	0.83	0.64	1.07	0.15
Triglycerides per SD	0.89	0.71	1.12	0.33
IgG MDA-LDL per SD	1.15	0.93	1.42	0.20
IgM MDA-LDL per SD	0.95	0.75	1.20	0.67
IgG ApoB-IC per SD	0.62	0.67	1.02	0.07
IgM ApoB-IC per SD	1.04	0.81	1.35	0.75

	Odds ratio	95% CI		
Hispanic		Lower	Upper	P-Value
Age per decile	4.52	2.87	7.10	<0.001
Male sex	5.92	2.60	13.47	<0.001
Hypertension	1.36	0.67	2.75	0.40
Diabetes	2.56	1.17	5.58	0.018
Current smoking	1.68	0.75	3.81	0.21
BMI	1.10	1.04	1.17	0.002
LDL-C per SD	1.10	0.78	1.54	0.58
HDL-C per SD	1.37	0.87	2.17	0.18
Triglycerides per SD	1.40	1.01	1.97	0.044
IgG MDA-LDL per SD	1.06	0.76	1.46	0.73
IgM MDA-LDL per SD	1.21	0.75	1.95	0.45
IgG ApoB-IC per SD	0.86	0.61	1.20	0.37
IgM ApoB-IC per SD	0.96	0.61	1.53	0.88

Table V. Binary Logistic regression analysis for the presence or absence of abdominal aortic plaque by ethnicity.

Black	Odds ratio	95% CI Lower	Upper	P-Value
Age per decile	2.27	1.96	2.64	<0.001
Male sex	1.16	0.87	1.53	0.31
Hypertension	0.95	0.73	1.23	0.68
Diabetes	1.25	0.85	1.85	0.26
Current smoking	1.79	1.34	2.38	<0.001
BMI	0.98	0.96	1.00	0.038
LDL-C per SD	1.01	0.89	1.15	0.85
HDL-C per SD	0.92	0.80	1.06	0.23
Triglycerides per SD	1.24	1.06	1.45	0.007
IgG MDA-LDL per SD	1.14	0.98	1.37	0.090
IgM MDA-LDL per SD	1.08	0.91	1.28	0.39
IgG ApoB-IC per SD	0.83	0.73	0.95	0.008
IgM ApoB-IC per SD	0.98	0.82	1.16	0.79

White	Odds ratio	95% CI Lower	Upper	P-Value
Age per decile	2.40	1.96	2.93	<0.001
Male sex	0.98	0.67	1.43	0.93
Hypertension	1.28	0.89	1.83	0.18
Diabetes	2.45	1.21	4.96	0.013
Current smoking	3.08	2.08	4.55	<0.001

	Odds ratio	Lower	Upper	P-Value
BMI	0.94	0.91	0.97	<0.001
LDL-C per SD	1.21	1.01	1.45	0.037
HDL-C per SD	0.77	0.63	0.93	0.007
Triglycerides per SD	1.16	0.96	1.40	0.13
IgG MDA-LDL per SD	1.02	0.86	1.21	0.80
IgM MDA-LDL per SD	1.07	0.87	1.32	0.52
IgG ApoB-IC per SD	0.99	0.83	1.19	0.96
IgM ApoB-IC per SD	0.89	0.71	1.11	0.28

	Odds ratio	95% CI		
Hispanic		Lower	Upper	P-Value
Age per decile	2.60	1.96	3.45	<0.001
Male sex	0.98	0.59	1.63	0.93
Hypertension	0.48	0.29	0.81	0.006
Diabetes	1.19	0.57	2.48	0.64
Current smoking	1.96	1.07	3.58	0.029
BMI	0.98	0.94	1.02	0.39
LDL-C per SD	1.17	0.91	1.50	0.23
HDL-C per SD	0.79	0.56	1.10	0.16
Triglycerides per SD	1.13	0.88	1.41	0.38
IgG MDA-LDL per SD	1.03	0.81	1.31	0.80
IgM MDA-LDL per SD	1.50	1.06	2.12	0.023
IgG ApoB-IC per SD	0.96	0.76	1.21	0.75
IgM ApoB-IC per SD	0.66	0.47	0.92	0.014