Table S1. Demographic characteristics of the HyperGEN African American subjects with fast time >8 hrs

N	2020
Men (%)	36.5
Age	46.10 ± 13.14
BMI (kg/m^2)	32.00 ± 7.75
Met(S) (%)	26.75
Waist Girth (cm)	102.26 ± 18.19
Systolic BP (mmHg)	129.11 ± 22.09
Diastolic BP (mmHg)	74.21 ± 11.87
HDL-C (mg/dL)	53.51 ± 15.37
Triglycerides (mg/dL)	108.94 ± 113.60
Glucose (mg/dL)	95.81 ± 21.39

Data presented as Mean ± SD.

Table S2. Association between 36 CD36 tag SNPs and MetS components other than HDL-C

SNP	Hypertension			Glucose			Triglyceride			Waist		
ID	OR	95% CI	FDR	[a]β	±SE	FDR	[a]β	±SE	FDR	[a]β	±SE	FDR
1	1.29	0.99 - 1.69	0.28	0.00	0.01	0.70	0.01	0.02	0.68	0.74	0.74	0.55
2	0.98	0.78 - 1.23	0.73	0.00	0.01	0.68	-0.03	0.02	0.50	0.06	0.73	0.75
3	1.35	0.97 - 1.88	0.29	-0.01	0.01	0.48	0.02	0.03	0.66	0.96	0.89	0.54
4	0.84	0.61 - 1.18	0.55	-0.01	0.01	0.29	0.02	0.02	0.66	0.47	0.85	0.68
5	0.87	0.64 - 1.19	0.61	-0.01	0.01	0.66	0.00	0.02	0.74	-0.15	0.88	0.73
6	0.98	0.81 - 1.18	0.72	0.00	0.01	0.70	0.03	0.02	0.31	0.44	0.63	0.66
7	1.33	0.95 - 1.85	0.32	0.01	0.01	0.68	-0.04	0.03	0.50	1.54	1.30	0.50
8	0.91	0.61 - 1.34	0.68	**0.03**	**0.01**	**0.22**	-0.02	0.03	0.66	**-3.38**	**1.30**	**0.11**
9	0.85	0.61 - 1.17	0.55	0.01	0.01	0.55	0.05	0.03	0.28	-0.56	0.98	0.68
10	1.59	0.97 - 2.63	0.28	0.01	0.02	0.66	-0.04	0.04	0.55	2.93	1.55	0.28
11	**0.61**	**0.38 - 0.98**	**0.26**	0.00	0.01	0.73	-0.05	0.04	0.46	-0.55	1.47	0.70
12	0.77	0.57 - 1.04	0.31	0.00	0.01	0.68	-0.03	0.02	0.50	-1.24	0.77	0.36
13	1.19	0.94 - 1.52	0.43	0.00	0.01	0.66	0.01	0.02	0.70	-0.54	0.79	0.66
14	0.96	0.77 - 1.19	0.70	0.01	0.01	0.50	-0.01	0.02	0.68	-0.91	0.73	0.50
15	1.05	0.86 - 1.28	0.68	0.00	0.01	0.66	-0.01	0.02	0.70	0.27	0.64	0.69
16	0.84	0.70 - 1.01	0.28	0.00	0.01	0.72	0.02	0.02	0.54	-0.81	0.60	0.46
17	0.88	0.61 - 1.27	0.66	0.01	0.01	0.66	0.04	0.04	0.55	-1.26	1.25	0.55
18	1.00	0.81 - 1.22	0.76	**-0.01**	**0.01**	**0.26**	0.02	0.02	0.53	-0.17	0.69	0.72
19	0.93	0.73 - 1.17	0.66	-0.01	0.01	0.38	-0.01	0.02	0.70	1.18	0.75	0.38
20	0.99	0.73 - 1.35	0.76	-0.01	0.01	0.29	0.01	0.03	0.71	0.40	0.85	0.68
21	1.00	0.82 - 1.23	0.76	0.00	0.01	0.70	0.00	0.02	0.72	0.29	0.65	0.68
22	0.87	0.72 - 1.05	0.44	0.00	0.01	0.70	0.00	0.02	0.73	-0.97	0.62	0.38
23	1.01	0.74 - 1.36	0.76	0.00	0.01	0.68	0.00	0.02	0.77	-0.46	0.83	0.68
24	1.05	0.79 - 1.40	0.70	0.01	0.01	0.66	0.01	0.03	0.72	-1.04	0.94	0.53
25	0.86	0.56 - 1.32	0.66	0.01	0.02	0.55	0.01	0.04	0.70	-1.42	1.40	0.55
26	0.81	0.63 - 1.03	0.32	0.01	0.01	0.54	-0.02	0.02	0.55	-0.60	0.82	0.66
27	1.30	0.88 - 1.91	0.46	0.00	0.01	0.72	0.00	0.04	0.77	1.04	1.72	0.66
28	**0.70**	**0.55 - 0.89**	**0.06**	0.00	0.01	0.73	-0.01	0.02	0.71	-0.27	0.81	0.70
29	0.87	0.72 - 1.06	0.46	0.00	0.01	0.71	0.00	0.02	0.72	-0.03	0.65	0.76
30	1.25	0.86 - 1.81	0.50	0.00	0.01	0.70	0.00	0.04	0.76	0.24	1.54	0.73
31	0.95	0.76 - 1.19	0.68	0.00	0.01	0.68	0.01	0.02	0.68	-0.11	0.72	0.73
32	**0.63**	**0.45 - 0.90**	**0.12**	-0.01	0.01	0.66	**-0.08**	**0.03**	**0.09**	1.04	1.14	0.58
33	1.06	0.74 - 1.53	0.70	-0.01	0.01	0.66	0.01	0.03	0.70	-0.75	1.22	0.66
34	1.04	0.74 - 1.45	0.72	0.01	0.01	0.63	0.04	0.03	0.46	-0.81	0.80	0.55
35	1.02	0.80 - 1.30	0.74	0.00	0.01	0.66	0.01	0.02	0.66	-0.62	0.76	0.63
36	1.04	0.80 - 1.37	0.70	0.01	0.01	0.51	0.02	0.03	0.66	-0.93	0.79	0.50

SNP ID corresponds to Table 1. [a]Resulting parameter estimate from additive regression analysis. Glucose, triglyceride, and waist circumference were log transformed. Bolded text highlight SNPs with p ²0.05 (also see Figure 1). SE=standard error. See Table 3 for HDL-C associations.

Table S3. Resulting p-values for BMI vs Waist Circumference (WC) adjusted analysis.

	MetS		HDL	
SNP	BMI adjusted p-value	WC adjusted p-value	BMI adjusted p-value	WC adjusted p-value
32	0.0012	0.0015	0.0002	0.00003
36	0.0027	0.0028	0.3449	0.2165
35	0.0037	0.0033	0.0380	0.0222
31	0.0049	0.0049	0.0596	0.0350
34	0.0107	0.0069	0.1283	0.0846
17	0.0304	0.0251	0.1194	0.0516
9	0.0538	0.0495	0.0438	0.0403
2	0.0552	0.0784	0.9311	0.9174
7	0.1170	0.0457	0.1224	0.0852
29	0.1208	0.1233	0.0395	0.0128
16	0.1353	0.0992	0.0288	0.0666
10	0.1416	0.0434	0.2474	0.1781
6	0.1816	0.1987	0.0028	0.0054
18	0.2483	0.2268	0.0030	0.0125
4	0.3443	0.2913	0.0148	0.0226
28	0.3538	0.4574	0.0220	0.0085
5	0.3921	0.4880	0.3771	0.4427
33	0.4047	0.3472	0.6176	0.5351
21	0.4330	0.3009	0.0079	0.0053
11	0.4850	0.5834	0.0646	0.0507
27	0.5147	0.5188	0.4985	0.4215
1	0.5816	0.4330	0.0003	0.0005
8	0.5950	0.5376	0.1362	0.1473
26	0.6179	0.7116	0.6353	0.9900
14	0.7493	0.7842	0.1948	0.3092
23	0.7924	0.9180	0.0822	0.0949
13	0.8560	0.8560	0.0611	0.0705
22	0.8631	0.9567	0.0007	0.0011
19	0.8638	0.8832	0.0327	0.0424
3	0.9168	0.7487	0.0038	0.0039
15	0.9266	0.9551	0.0007	0.0005
12	0.9328	0.7366	0.1971	0.1391
30	0.9419	0.9768	0.6096	0.6177
20	0.9603	0.9127	0.0112	0.0158
25	0.9664	0.8355	0.5929	0.4268
24	0.9867	0.9971	0.2393	0.2307

The same SNPs (bolded) were identified whether analysis was adjusted for waist circumference or BMI.