

Applying novel methods for assessing individual- and neighborhood-level social and psychosocial environment interactions with genetic factors in the prediction of depressive symptoms in the Multi-Ethnic Study of Atherosclerosis. *Behavior Genetics*. Erin B. Ware, Jennifer A. Smith, Bhramar Mukherjee, Seunggeun Lee, Sharon L. R. Kardia, Ana V. Diez-Roux

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Online Resource 2

Region information for the 47 regions identified from the individual-SNP based GWAS of averaged depressive symptom score in the Multi-Ethnic Study of Atherosclerosis(Ware et al., 2015)

Region	Index SNP	chr:Region start/stop position (bp)	Coded Allele	Discovery Ethnicity				Meta p-value, Averaged CES-D
				Discovery Ethnicity	MAF	MA	p-value	
1	rs3100865	1:2775967-2815967	T	EA	0.29	T	3.95E-05	9.02E-06
2	rs7550557	1:216321556-216361556	A	CA	0.05	G	1.07E-03	3.92E-05
3	rs12711789	2:114307098-114347098	A	HA	0.08	A	1.53E-03	1.86E-05
4	rs7602149	2:114337038-114377038	T	HA	0.10	T	1.58E-04	4.78E-06
5	rs6710525	2:114392038-114432038	A	HA	0.08	G	1.35E-03	3.05E-05
6	rs13425176	2:114413390-114453390	A	HA	0.08	C	1.24E-03	2.68E-05
7	rs519887	2:169469131-169509131	T	HA	0.46	C	8.61E-05	3.00E-05
8	rs853772	2:169502901-169542901	T	HA	0.48	T	9.92E-05	4.48E-05
9	rs12692904	2:169992063-170032063	T	EA	0.23	C	1.88E-03	4.06E-05
10	rs13001068	2:182686602-182726602	A	HA	0.06	G	1.06E-04	6.95E-06
11	rs1569108	2:183196291-183236291	T	AA	0.46	C	1.97E-03	5.01E-05
12	SNP_A-1966287	2:191557187-191597187	T	HA	0.11	T	2.97E-05	4.57E-06
13	rs4389282	2:192565881-192605881	T	EA	0.08	T	1.10E-03	4.30E-05
14	rs6802476	3:151302625-151342625	C	HA	0.09	G	1.50E-04	5.01E-05
15	rs3796972	4:104755240-104795240	A	EA	0.32	C	2.02E-06	4.89E-06
16	rs233976	4:104803918-104843918	A	EA	0.17	A	1.90E-04	1.34E-05
17	rs2726516	4:106545655-106585655	A	EA	0.43	A	1.21E-04	3.58E-05
18	rs13130595	4:177364585-177404585	T	CA	0.25	C	2.52E-03	3.93E-05
19	rs9467173	6:24547252-24587252	T	EA	0.46	T	1.02E-03	2.71E-05
20	rs4626500	7:5353108-5393108	A	AA	0.11	A	1.46E-03	1.30E-05
21	rs697521	7:16710681-16750681	T	AA/HA	0.18/0.09	G	1.01E-03/6.09E-04	2.12E-06

22	rs10234941	7:42452470-42492470	T	AA	0.14	T	1.44E-03	1.33E-05
23	rs11771332	7:86519742-86559742	A	HA	0.11	T	1.54E-04	2.52E-05
24	rs13271255	8:5383703-5423703	T	EA	0.11	C	1.39E-03	2.98E-05
25	rs4273841	8:59034140-59074140	C	HA	0.18	G	3.27E-04	1.45E-05
26	rs7350109	8:60733909-60773909	A	EA	0.25	T	6.85E-06	6.88E-06
27	rs4360284	8:60771439-60811439	C	EA	0.26	G	1.25E-05	6.89E-06
28	rs9643512	8:60810808-60850808	T	EA	0.26	T	8.53E-05	2.41E-05
29	rs1377249	8:78208511-78248511	A	AA	0.24	C	1.22E-03	1.97E-05
30	rs17148529	10:10685682-10725682	T	AA	0.14	T	4.94E-04	2.83E-05
31	rs17620681	10:54883832-54923832	T	EA	0.22	C	1.91E-03	1.83E-05
32	rs1159612	10:85299038-85339038	T	AA	0.11	T	1.13E-03	2.87E-05
33	rs11015985	10:129649308-129689308	T	EA	0.21	C	8.33E-04	1.21E-05
34	rs1448128	11:121271660-121311660	C	EA	0.19	C	3.74E-05	4.61E-06
35	rs1863838	12:9183291-9223291	T	AA	0.23	G	3.14E-05	4.84E-05
36	rs776896	12:39714697-39754697	A	HA	0.17	A	1.16E-03	3.20E-05
37	rs2229774	12:51871812-51911812	A	EA	0.07	A	3.30E-04	1.04E-05
38	rs1765856	13:33802221-33842221	A	EA	0.28	G	9.06E-04	2.45E-05
39	rs9560521	13:89437392-89477392	A	EA	0.09	A	1.03E-03	1.92E-05
40	rs9323096	14:43747537-43787537	A	CA	0.09	A	2.98E-03	4.92E-05
41	rs10149069	14:43786179-43826179	A	CA	0.09	G	1.58E-03	2.22E-05
42	rs3784589	15:29062006-29102006	A	EA	0.06	A	2.59E-04	3.89E-05
43	rs12148583	15:64262685-64302685	A	CA	0.47	T	9.93E-06	1.66E-05
44	rs729650	15:77126365-77166365	T	AA	0.11	C	3.68E-04	4.51E-05
45	rs8046816	16:71843525-71883525	A	AA	0.43	C	5.16E-04	3.83E-05
46	rs2728505	18:21454070-21494070	A	HA	0.40	C	5.76E-04	2.27E-05
47	rs4140486	22:23660087-23700087	A	HA	0.20	G	1.73E-03	6.28E-06

chr: chromosome, bp: basepairs, MAF: minor allele frequency, MA: minor allele, CES-D: Center for Epidemiologic Sciences – Depression score, AA: African American, EA: European American, CA: Chinese American, HA: Hispanic American