

eTable 1. List of 497 SNPs selected from the NHANES III genetic dataset for this study

Gene Symbol^a	dbSNP rs#^b	SNP position	Alleles	Function
<i>AASS</i>	rs4140745	chr7:121754695	C/T	Intron
<i>ABCA1</i>	rs1883025	chr9:107664301	A/G	Intron
<i>ABCA1</i>	rs2000069	chr9:107635869	C/T	Intron
<i>ABCA1</i>	rs3890182	chr9:107647654	A/G	Intron
<i>ABCA1</i>	rs3905000	chr9:107657070	A/G	Intron
<i>ABCA1</i>	rs4149268	chr9:107647220	A/G	Intron
<i>ABCA5</i>	rs11650955	chr17:67235705	A/G	Intron
<i>ABCB1</i>	rs1045642	chr7:87138645	A/C/G/T	Coding-synon
<i>ABCB11</i>	rs552976	chr2:169791438	C/T	Intron
<i>ABCG2</i>	rs2231142	chr4:89052323	A/C	Missense
<i>ABCG4</i>	rs626776	chr11:119028813	C/G	Intron
<i>ABCG5</i>	rs6756629	chr2:44065090	A/G	Near-gene-5,missense
<i>ABCG8</i>	rs6544713	chr2:44073881	C/T	Intron
<i>ACE</i>	rs4646994	chr17:61565904	D/I	An Alu repetitive element in an intron
<i>ADCY5</i>	rs11708067	chr3:123065778	A/G	Intron
<i>ADCY5</i>	rs2877716	chr3:123094451	C/T	Intron
<i>ADH1B</i>	rs1229984	chr4:100239319	A/G	Missense
<i>ADH1B</i>	rs17033	chr4:100228945	A/G	Untranslated-3
<i>ADH1B</i>	rs2066702	chr4:100229017	C/T	Missense
<i>ADH1C</i>	rs1693482	chr4:100263965	C/T	Missense
<i>ADH1C</i>	rs698	chr4:100260789	A/G/T	Missense
<i>ADIPOQ</i>	rs6773957	chr3:186573705	A/G	Ncrna,untranslated-3
<i>ADRB1</i>	rs1801252	chr10:115804036	A/G	Missense
<i>ADRB2</i>	rs1042713	chr5:148206440	A/G	Missense
<i>ADRB2</i>	rs1042714	chr5:148206473	C/G	Missense
<i>ADRB3</i>	rs4994	chr8:37823798	A/C/G/T	Missense
<i>AFF1</i>	rs342456	chr4:88023870	C/T	Intron
<i>AFF1</i>	rs3775214	chr4:88023299	C/T	Intron
<i>APOA1</i>	rs11216153	chr11:116705100	G/T	Unknown
<i>APOA1</i>	rs12718463	chr11:116706343	C/T	Near-gene-3
<i>APOA1</i>	rs7116797	chr11:116707338	A/G	Intron
<i>APOA4</i>	rs5090	chr11:116694055	C/G	Near-gene-5
<i>APOA4</i>	rs5092	chr11:116693464	A/G	Coding-synon
<i>APOA4</i>	rs5094	chr11:116693213	A/G	Intron
<i>APOA4</i>	rs5096	chr11:116693095	A/G	Intron
<i>APOA4</i>	rs5100	chr11:116692694	A/G	Intron
<i>APOA4</i>	rs5104	chr11:116692334	A/G	Missense
<i>APOA4</i>	rs5110	chr11:116691634	G/T	Missense
<i>APOA4</i>	rs675	chr11:116691675	A/T	Missense

<i>APOA5</i>	rs10750097	chr11:116664040	A/G	Near-gene-5
<i>APOA5</i>	rs12287066	chr11:116662331	A/C/G/T	Coding-synon
<i>APOA5</i>	rs17120035	chr11:116663851	C/T	Near-gene-5
<i>APOA5</i>	rs2072560	chr11:116661826	C/T	Intron
<i>APOA5</i>	rs2075294	chr11:116658122	G/T	Intron
<i>APOA5</i>	rs3135506	chr11:116662407	C/G	Missense
<i>APOA5</i>	rs33984246	chr11:116660450	C/T	Near-gene-5,untranslated-3
<i>APOA5</i>	rs34089864	chr11:116660768	C/T	Untranslated-3
<i>APOA5</i>	rs619054	chr11:116660813	C/T	Untranslated-3
<i>APOA5</i>	rs662799	chr11:116663707	A/G	Near-gene-5
<i>APOB</i>	rs10205849	chr2:21262190	C/T	Intron
<i>APOB</i>	rs1042031	chr2:21225753	A/C/G/T	Missense
<i>APOB</i>	rs1042034	chr2:21225281	A/C/G/T	Missense
<i>APOB</i>	rs11676704	chr2:21244358	G/T	Intron
<i>APOB</i>	rs12713558	chr2:21229039	A/C/G/T	Coding-synon
<i>APOB</i>	rs12713600	chr2:21230736	C/T	Coding-synon
<i>APOB</i>	rs12713675	chr2:21232373	A/C	Missense
<i>APOB</i>	rs12713956	chr2:21241505	C/T	Intron
<i>APOB</i>	rs12714102	chr2:21246306	C/G	Intron
<i>APOB</i>	rs12714192	chr2:21249682	A/C/G/T	Missense
<i>APOB</i>	rs12714221	chr2:21251800	A/G	Intron
<i>APOB</i>	rs12714254	chr2:21264937	A/C	Intron
<i>APOB</i>	rs12720778	chr2:21246207	C/T	Intron
<i>APOB</i>	rs12720852	chr2:21227528	C/T	Coding-synon
<i>APOB</i>	rs1367117	chr2:21263900	A/C/G/T	Missense
<i>APOB</i>	rs1469513	chr2:21259562	C/T	Intron
<i>APOB</i>	rs1800479	chr2:21227383	C/G	Intron
<i>APOB</i>	rs1801699	chr2:21233999	A/G	Missense
<i>APOB</i>	rs1801700	chr2:21245813	A/C/G/T	Coding-synon
<i>APOB</i>	rs1801701	chr2:21228827	A/C/G/T	Missense
<i>APOB</i>	rs1801702	chr2:21225485	C/G	Missense
<i>APOB</i>	rs2854725	chr2:21237786	A/C	Intron
<i>APOB</i>	rs3791980	chr2:21245329	G/T	Intron
<i>APOB</i>	rs512535	chr2:21267782	A/G	Intron,near-gene-5
<i>APOB</i>	rs531819	chr2:21263639	G/T	Intron
<i>APOB</i>	rs550619	chr2:21260601	A/G	Intron
<i>APOB</i>	rs617314	chr2:21268219	G/T	Near-gene-5,ncrna
<i>APOB</i>	rs661665	chr2:21265141	G/T	Intron
<i>APOB</i>	rs673548	chr2:21237544	A/G	Intron
<i>APOB</i>	rs6752026	chr2:21260934	A/C/G/T	Missense
<i>APOB</i>	rs679899	chr2:21250914	A/C/G/T	Missense

<i>APOB</i>	rs693	chr2:21232195	A/C/G/T	Coding-synon
<i>APOC1</i>	rs4420638	chr19:45422946	A/G	Near-gene-3
<i>APOC3</i>	rs4520	chr11:116701535	C/T	Coding-synon
<i>APOC3</i>	rs5142	chr11:116701850	A/G	Intron
<i>APOC3</i>	rs734104	chr11:116700860	C/T	Intron
<i>APOE</i>	rs429358	chr19:45411941	C/T	Missense
<i>APOE</i>	rs7412	chr19:45412079	C/T	Missense
<i>B4GALT4</i>	rs12695382	chr3:118948171	A/G	Intron
<i>B4GALT4</i>	rs2001286	chr3:118941235	C/T	Intron
<i>B9D2</i>	rs1800468	chr19:41860587	A/G	Intron,near-gene-5,untranslated-3
<i>B9D2</i>	rs1800469	chr19:41860296	C/T	Intron,near-gene-3,near-gene-5
<i>BAZ1B</i>	rs714052	chr7:72864869	C/T	Intron
<i>BRD3</i>	rs457420	chr9:136909261	A/G	Intron
<i>BUD13</i>	rs28927680	chr11:116619073	C/G	Untranslated-3
<i>C12orf27</i>	rs1800574	chr12:121416864	C/T	Missense,untranslated-5
<i>C15orf42</i>	rs8032553	chr15:90137325	A/G	Intron
<i>C19orf59</i>	rs10401670	chr19:7742802	C/T	Intron
<i>C1orf124</i>	rs2437150	chr1:231488524	A/G	Intron,missense,untranslated-3
<i>C20orf196</i>	rs6053754	chr20:5842518	C/T	Intron
<i>CAPN10</i>	rs3792267	chr2:241531174	A/G	Intron
<i>CAPN10</i>	rs3842570	chr2:241534293	D/I	Intron
<i>CAPN10</i>	rs5030952	chr2:241542703	C/T	Unknown
<i>CAT</i>	rs769214	chr11:34459717	A/G	Near-gene-5
<i>CCL5</i>	rs2280788	chr17:34207405	C/G	Near-gene-5
<i>CD96</i>	rs16858329	chr3:111330061	G/T	Intron
<i>CDKAL1</i>	rs4712523	chr6:20657564	A/G	Intron
<i>CDKAL1</i>	rs4712525	chr6:20662966	C/T	Intron
<i>CDKAL1</i>	rs6456368	chr6:20659806	C/T	Intron
<i>CDKAL1</i>	rs9460544	chr6:20661529	G/T	Intron
<i>CDKN2BAS</i>	rs10757278	chr9:22124477	A/G	Unknown
<i>CDKN2BAS</i>	rs1333049	chr9:22125503	C/G	Unknown
<i>CETP</i>	rs1566439	chr16:57024662	A/G	Intron
<i>CETP</i>	rs1800775	chr16:56995236	A/C	Near-gene-5
<i>CILP2</i>	rs16996148	chr19:19658472	G/T	Unknown
<i>CILP2</i>	rs17216525	chr19:19662220	C/T	Unknown
<i>CNR1</i>	rs806366	chr6:88847589	C/T	Unknown
<i>CRP</i>	rs1205	chr1:159682233	C/T	Untranslated-3
<i>CRP</i>	rs1417938	chr1:159684186	A/T	Intron
<i>CRP</i>	rs2027471	chr1:159689388	A/T	Unknown
<i>CRP</i>	rs2794520	chr1:159678816	C/T	Unknown
<i>CRP</i>	rs2808630	chr1:159680868	C/T	Unknown

<i>CRP</i>	rs3093058	chr1:159685315	A/T	Near-gene-5
<i>CRP</i>	rs3093066	chr1:159683099	A/C	Intron,untranslated-3
<i>CRP</i>	rs3093075	chr1:159679913	A/C	Unknown
<i>CRY2</i>	rs11605924	chr11:45873091	A/C	Intron
<i>CTBP2</i>	rs1915146	chr10:126846214	C/T	Intron
<i>CTBP2</i>	rs7090538	chr10:126828084	C/T	Intron
<i>CXCL12</i>	rs169097	chr10:44868083	A/G	Untranslated-3
<i>CYP1A1</i>	rs1048943	chr15:75012985	A/C/G/T	Missense
<i>CYP1A1</i>	rs2606345	chr15:75017176	A/C	Intron
<i>CYP1A1</i>	rs4646903	chr15:75011641	A/C/T	Near-gene-3
<i>CYP1A2</i>	rs11854147	chr15:75052771	C/T	Unknown
<i>CYP1A2</i>	rs2069514	chr15:75038220	A/G	Unknown
<i>CYP1A2</i>	rs2472299	chr15:75033400	A/G	Unknown
<i>CYP1A2</i>	rs4886406	chr15:75057203	A/C	Unknown
<i>CYP1A2</i>	rs762551	chr15:75041917	A/C	Intron
<i>CYP1B1</i>	rs1056836	chr2:38298203	C/G	Unknown
<i>CYP1B1</i>	rs1056837	chr2:38298150	A/C/T	Coding-synon,missense
<i>CYP1B1</i>	rs162557	chr2:38305451	C/T	Unknown
<i>CYP2A6</i>	rs28399433	chr19:41356379	G/T	Near-gene-5
<i>CYP2B6</i>	rs2279343	chr19:41515263	A/G	Intron,missense
<i>CYP2B6</i>	rs3211371	chr19:41522715	C/T	Near-gene-3,missense,untranslated-3
<i>CYP2C19</i>	rs4986894	chr10:96522365	C/T	Near-gene-5
<i>CYP2C9</i>	rs1057910	chr10:96741053	A/C	Missense
<i>CYP2E1</i>	rs2031920	chr10:135339845	C/T	Near-gene-5
<i>CYP2E1</i>	rs6413432	chr10:135348544	A/T	Intron
<i>CYP3A4</i>	rs2740574	chr7:99382096	A/G	Near-gene-5
<i>DLG2</i>	rs1940098	chr11:84391899	A/G	Intron
<i>DNER</i>	rs6726280	chr2:230493684	A/C	Intron
<i>DOCK7</i>	rs10889353	chr1:63118196	A/C	Intron
<i>DOCK7</i>	rs1748195	chr1:63049593	C/G	Intron,near-gene-3
<i>DPEP2</i>	rs255052	chr16:68024995	A/G	Intron
<i>EIF4E</i>	rs11727086	chr4:99828368	A/G	Intron
<i>ENPP1</i>	rs6926728	chr6:132174429	C/G	Intron
<i>ENPP1</i>	rs7767502	chr6:132174929	C/G	Intron
<i>FAAH</i>	rs12029329	chr1:46879856	C/G	Near-gene-3
<i>FABP2</i>	rs1799883	chr4:120241902	A/C/G/T	Missense
<i>FADS1</i>	rs174547	chr11:61570783	C/T	Intron
<i>FADS1</i>	rs174550	chr11:61571478	C/T	Intron
<i>FAM155A</i>	rs744134	chr13:108124321	A/G	Intron
<i>FARS2</i>	rs9378968	chr6:5581224	A/G	Intron
<i>FASTKD3</i>	rs1801394	chr5:7870973	A/G	Near-gene-5,ncrna,missense

<i>FCER1A</i>	rs2251746	chr1:159272060	C/T	Intron
<i>FCGR2A</i>	rs1801274	chr1:161479745	C/T	Missense
<i>FGA</i>	rs2070006	chr4:155513866	A/G	Near-gene-5
<i>FGA</i>	rs2070008	chr4:155513276	A/G	Near-gene-5
<i>FGA</i>	rs2070009	chr4:155512941	G/T	Near-gene-5
<i>FGA</i>	rs2070011	chr4:155511897	A/G	Untranslated-5
<i>FGA</i>	rs2070017	chr4:155510276	A/G	Intron
<i>FGA</i>	rs2070022	chr4:155504948	C/T	Untranslated-3
<i>FGA</i>	rs2070033	chr4:155505291	A/C/G/T	Coding-synon
<i>FGA</i>	rs6050	chr4:155507590	A/C/G/T	Missense
<i>FGB</i>	rs1800788	chr4:155483914	C/T	Near-gene-5
<i>FGB</i>	rs1800790	chr4:155483708	A/G	Near-gene-5
<i>FGB</i>	rs1800791	chr4:155483309	A/G	Near-gene-5
<i>FGB</i>	rs2227395	chr4:155484511	A/G	Intron
<i>FGB</i>	rs2227421	chr4:155492224	A/C	Untranslated-3
<i>FGB</i>	rs4220	chr4:155491759	A/G	Missense
<i>FGB</i>	rs6058	chr4:155490344	G/T	Coding-synon
<i>FGG</i>	rs1049636	chr4:155525970	C/T	Intron,untranslated-3
<i>FGG</i>	rs1800792	chr4:155534408	A/G	Near-gene-5
<i>FGG</i>	rs2066861	chr4:155527436	A/G	Intron
<i>FRMD3</i>	rs10868008	chr9:86051269	A/C	Intron
<i>FRMD3</i>	rs11140077	chr9:86039118	A/G	Intron
<i>FRMD3</i>	rs11140092	chr9:86059732	C/T	Intron
<i>FRY</i>	rs12873155	chr13:32711703	C/T	Intron
<i>FRY</i>	rs7331540	chr13:32710520	C/G	Intron
<i>FTO</i>	rs3751812	chr16:53818460	G/T	Intron
<i>FTO</i>	rs9935401	chr16:53816838	A/G	Intron
<i>G6PC2</i>	rs560887	chr2:169763148	A/G	Intron
<i>GALNT2</i>	rs2144300	chr1:230294916	C/T	Intron
<i>GALNT2</i>	rs4846914	chr1:230295691	A/G	Intron
<i>GATAD2A</i>	rs3794991	chr19:19610596	C/T	Intron
<i>GCK</i>	rs1799884	chr7:44229068	A/G	Near-gene-5
<i>GCK</i>	rs2908289	chr7:44223942	C/T	Intron
<i>GCK</i>	rs730497	chr7:44223721	C/T	Intron
<i>GCKR</i>	rs1260326	chr2:27730940	C/T	Missense
<i>GCKR</i>	rs780093	chr2:27742603	A/G	Intron
<i>GCKR</i>	rs780094	chr2:27741237	A/G	Intron
<i>GHI</i>	rs2854184	chr17:61997993	A/T	Near-gene-5
<i>GHI</i>	rs7219235	chr17:61996425	A/G	Near-gene-5
<i>GIPR</i>	rs10423928	chr19:46182304	A/T	Intron
<i>GIPR</i>	rs1800437	chr19:46181392	C/G	Missense

<i>GLIS3</i>	rs7034200	chr9:4289050	A/C	Intron
<i>GSDMB</i>	rs7216389	chr17:38069949	C/T	Intron
<i>HFE</i>	rs1800562	chr6:26093141	A/G	Intron,ncrna,missense
<i>HFM1</i>	rs10493846	chr1:91785202	G/T	Intron
<i>HK1</i>	rs16926246	chr10:71093392	C/T	Intron
<i>HMGCR</i>	rs12654264	chr5:74648603	A/T	Intron
<i>HNF1B</i>	rs757210	chr17:36096515	A/G	Intron
<i>HNF4A</i>	rs1800961	chr20:43042364	C/T	Missense
<i>HNMT</i>	rs3791244	chr2:138731765	C/T	Intron
<i>HTR5A</i>	rs1436818	chr7:154885237	A/G	Unknown
<i>IFIT1B</i>	rs304502	chr10:91137521	C/T	Near-gene-5
<i>IGF1</i>	rs35767	chr12:102875569	C/T	Near-gene-5
<i>IL10</i>	rs1800871	chr1:206946634	C/T	Near-gene-5
<i>IL10</i>	rs1800872	chr1:206946407	A/C	Near-gene-5
<i>IL10</i>	rs1800896	chr1:206946897	A/G	Near-gene-5
<i>IL13</i>	rs1800925	chr5:131992809	C/T	Near-gene-5
<i>IL13</i>	rs20541	chr5:131995964	C/T	Missense
<i>IL1B</i>	rs1143623	chr2:113595829	C/G	Near-gene-5
<i>IL1RL1</i>	rs1420101	chr2:102957716	A/G	Intron,ncrna
<i>IL4</i>	rs2243248	chr5:132008644	G/T	Near-gene-5
<i>IL4</i>	rs2243250	chr5:132009154	C/T	Near-gene-5
<i>IL4</i>	rs2243270	chr5:132014109	A/G	Intron
<i>IL4R</i>	rs1801275	chr16:27374400	A/G	Near-gene-3,missense
<i>IL4R</i>	rs1805015	chr16:27374180	C/T	Near-gene-3,missense
<i>IL6</i>	rs1800795	chr7:22766645	C/G	Near-gene-5
<i>IL6R</i>	rs2228145	chr1:154426970	A/C	Intron,missense
<i>IL7R</i>	rs7717955	chr5:35862841	C/T	Intron
<i>IL7R</i>	rs987106	chr5:35875593	A/T	Intron
<i>ILF3</i>	rs8102380	chr19:10801185	A/G	Untranslated-3
<i>INS</i>	rs689	chr11:2182224	A/T	Intron,untranslated-5
<i>IRS1</i>	rs3769647	chr2:227659583	C/G	Intron
<i>IRS1</i>	rs4675095	chr2:227651967	A/T	Intron
<i>ITGA2</i>	rs1126643	chr5:52347369	C/T	Coding-synon,ncrna
<i>ITGAM</i>	rs7193268	chr16:31340997	C/T	Intron
<i>ITGAM</i>	rs9933520	chr16:31343386	A/G	Untranslated-3
<i>ITGB3</i>	rs5918	chr17:45360730	C/T	Missense
<i>ITPR2</i>	rs11048606	chr12:26756606	C/G	Intron
<i>JAZF1</i>	rs864745	chr7:28180556	A/G	Intron
<i>KCNMA1</i>	rs10509384	chr10:79023182	A/G	Intron
<i>KCNQ1</i>	rs2074196	chr11:2824800	G/T	Intron
<i>KCNQ1</i>	rs2237895	chr11:2857194	A/C	Intron

<i>KCNQ3</i>	rs4736583	chr8:133441144	A/C	Intron
<i>KCTD10</i>	rs2338104	chr12:109895168	C/G	Intron
<i>KCTD17</i>	rs855791	chr22:37462936	C/T	Missense
<i>KLF7</i>	rs6743779	chr2:207990038	A/C	Intron
<i>LDHA</i>	rs10832934	chr11:18435700	C/T	Intron
<i>LDHA</i>	rs11024649	chr11:18438330	C/T	Intron
<i>LDHA</i>	rs11601413	chr11:18421683	A/C	Intron
<i>LDHA</i>	rs2403279	chr11:18416615	A/C	Intron,near-gene-5
<i>LDHA</i>	rs2896526	chr11:18419806	A/G	Intron
<i>LDHAL6A</i>	rs1881717	chr11:18472133	A/G	Intron
<i>LDHB</i>	rs12319089	chr12:21802055	A/G	Intron
<i>LDHC</i>	rs2037868	chr11:18439212	C/T	Intron
<i>LDHC</i>	rs2721126	chr11:18456181	C/T	Intron
<i>LDHC</i>	rs7938942	chr11:18466247	C/T	Intron
<i>LDLR</i>	rs10409044	chr19:11242974	C/G	Untranslated-3
<i>LDLR</i>	rs10423288	chr19:11215846	C/T	Intron
<i>LDLR</i>	rs1433099	chr19:11242658	A/G	Untranslated-3
<i>LDLR</i>	rs17242346	chr19:11198780	A/G	Near-gene-5
<i>LDLR</i>	rs17242739	chr19:11198683	A/C	Near-gene-5
<i>LDLR</i>	rs17248720	chr19:11198187	C/T	Near-gene-5
<i>LDLR</i>	rs17249330	chr19:11234327	C/T	Intron
<i>LDLR</i>	rs2228671	chr19:11210912	C/T	Coding-synon,ncrna
<i>LDLR</i>	rs2569540	chr19:11238239	C/G	Intron
<i>LDLR</i>	rs2569559	chr19:11214533	A/C	Intron
<i>LDLR</i>	rs2738450	chr19:11228965	A/C	Intron
<i>LDLR</i>	rs2738464	chr19:11242307	C/G	Untranslated-3
<i>LDLR</i>	rs2738465	chr19:11242496	A/G	Untranslated-3
<i>LDLR</i>	rs5925	chr19:11230881	C/T	Coding-synon,ncrna
<i>LDLR</i>	rs5927	chr19:11233941	A/G	Coding-synon,ncrna
<i>LDLR</i>	rs5929	chr19:11226800	C/T	Coding-synon,ncrna
<i>LDLR</i>	rs6413504	chr19:11241915	A/G	Intron
<i>LDLR</i>	rs6511720	chr19:11202306	G/T	Intron
<i>LDLR</i>	rs6511721	chr19:11206575	A/G	Intron
<i>LDLR</i>	rs8102912	chr19:11205975	A/G	Intron
<i>LIPC</i>	rs1800588	chr15:58723675	C/T	Intron,near-gene-5
<i>LIPG</i>	rs2000812	chr18:47093790	C/T	Intron
<i>LIPG</i>	rs3829632	chr18:47087118	C/T	Near-gene-5,untranslated-5
<i>LPA</i>	rs10945682	chr6:161069941	A/G	Intron
<i>LPA</i>	rs12194138	chr6:160959831	A/T	Intron
<i>LPA</i>	rs13192132	chr6:161022423	C/T	Intron
<i>LPA</i>	rs1321195	chr6:161084156	C/T	Intron

<i>LPA</i>	rs1321196	chr6:161081842	A/G	Intron
<i>LPA</i>	rs1367211	chr6:161082695	A/G	Intron
<i>LPA</i>	rs1652507	chr6:161082461	A/G	Intron
<i>LPA</i>	rs4073498	chr6:161008645	C/T	Intron
<i>LPA</i>	rs6907156	chr6:161016009	C/T	Intron
<i>LPA</i>	rs6919346	chr6:160960359	C/T	Intron
<i>LPA</i>	rs6926458	chr6:161019866	A/G	Intron
<i>LPA</i>	rs7450411	chr6:161010354	A/C	Intron
<i>LPA</i>	rs7755463	chr6:161012270	C/T	Intron
<i>LPA</i>	rs7765803	chr6:161007538	C/G	Missense
<i>LPA</i>	rs7767084	chr6:160962503	C/T	Intron
<i>LPA</i>	rs9364564	chr6:160999040	A/G	Intron
<i>LPL</i>	rs2197089	chr8:19826373	C/T	Unknown
<i>LPL</i>	rs328	chr8:19819724	C/G	Nonsense
<i>LRP1B</i>	rs16847412	chr2:142618914	C/T	Intron
<i>LRP5</i>	rs3736228	chr11:68201295	C/T	Missense
<i>MADD</i>	rs7944584	chr11:47336320	A/T	Intron
<i>MBL2</i>	rs11003125	chr10:54532014	C/G	Intron,near-gene-5
<i>MBL2</i>	rs1800450	chr10:54531235	A/G	Missense
<i>MBL2</i>	rs1800451	chr10:54531226	A/G	Missense
<i>MBL2</i>	rs5030737	chr10:54531242	C/T	Missense
<i>MBL2</i>	rs7096206	chr10:54531685	C/G	Intron,near-gene-5
<i>MBOAT1</i>	rs1202209	chr6:20180235	G/T	Intron
<i>MBOAT1</i>	rs1202210	chr6:20180786	C/T	Intron
<i>MIR548A2</i>	rs4607103	chr3:64711904	C/T	Intron
<i>MSRA</i>	rs9329221	chr8:10240202	G/T	Intron
<i>MTCH2</i>	rs10838738	chr11:47663049	A/G	Intron
<i>MTHFR</i>	rs1801131	chr1:11854476	A/C	Missense
<i>MTHFR</i>	rs1801133	chr1:11856378	C/T	Missense
<i>MTHFR</i>	rs2066470	chr1:11863057	C/T	Coding-synon,untranslated-5
<i>MTNR1B</i>	rs10830963	chr11:92708710	C/G	Intron
<i>NAT2</i>	rs1041983	chr8:18257795	C/T	Coding-synon
<i>NAT2</i>	rs1208	chr8:18258316	A/G	Missense
<i>NAT2</i>	rs1799930	chr8:18258103	A/G	Missense
<i>NAT2</i>	rs1799931	chr8:18258370	A/G	Missense
<i>NAT2</i>	rs1801279	chr8:18257704	A/G	Missense
<i>NAT2</i>	rs1801280	chr8:18257854	C/T	Missense
<i>NCAN</i>	rs2238675	chr19:19336608	C/T	Intron
<i>NOS2</i>	rs1800482	chr17:26128509	C/G	Near-gene-5
<i>NOS2</i>	rs9282799	chr17:26128728	C/T	Near-gene-5
<i>NOS3</i>	rs1799983	chr7:150696111	G/T	Missense

<i>NOS3</i>	rs2070744	chr7:150690079	C/T	Intron,near-gene-5
<i>NOTCH2</i>	rs10923931	chr1:120517959	G/T	Intron
<i>NQO1</i>	rs10517	chr16:69743760	C/T	Untranslated-3
<i>NQO1</i>	rs1800566	chr16:69745145	C/T	Missense
<i>NQO1</i>	rs689452	chr16:69752464	C/G	Intron
<i>NQO1</i>	rs689453	chr16:69752373	A/G	Coding-synon
<i>NUTF2</i>	rs2271293	chr16:67902070	A/G	Intron
<i>OAZ1</i>	rs12985777	chr19:2268055	C/T	Near-gene-5
<i>OAZ1</i>	rs2523177	chr19:2274578	C/T	Near-gene-3
<i>ORMDL3</i>	rs12603332	chr17:38082807	C/T	Intron,near-gene-5
<i>ORMDL3</i>	rs4065275	chr17:38080865	A/G	Intron
<i>ORMDL3</i>	rs8076131	chr17:38080912	A/G	Intron
<i>PCIF1</i>	rs7679	chr20:44576502	C/T	Intron,untranslated-3
<i>PCSK9</i>	rs11206510	chr1:55496039	C/T	Unknown
<i>PDP1</i>	rs4735258	chr8:94935937	C/T	Untranslated-3
<i>PDP1</i>	rs7814312	chr8:94931872	A/G	Intron,near-gene-5
<i>PLXNA2</i>	rs17187140	chr1:208309775	A/G	Intron
<i>PLXNA2</i>	rs17259332	chr1:208295783	A/T	Intron
<i>PNPLA3</i>	rs2281135	chr22:44332570	C/T	Intron
<i>PNPLA3</i>	rs738409	chr22:44324727	C/G	Ncrna,missense
<i>PON1</i>	rs662	chr7:94937446	A/G	Missense
<i>PON1</i>	rs854560	chr7:94946084	A/T	Coding-synon,missense
<i>PPARG</i>	rs1801282	chr3:12393125	C/G	Intron,missense
<i>PPP3R2</i>	rs1323432	chr9:104362937	C/T	Intron
<i>PREX1</i>	rs6125463	chr20:47389100	A/G	Intron
<i>PSRC1</i>	rs12740374	chr1:109817590	G/T	Untranslated-3
<i>PSRC1</i>	rs646776	chr1:109818530	A/G	Near-gene-3
<i>PTPDC1</i>	rs6479526	chr9:96830635	C/T	Intron
<i>QTRT1</i>	rs2010492	chr19:10803395	C/T	Near-gene-3
<i>RAB11B</i>	rs2967605	chr19:8469738	A/G	Intron
<i>RYR3</i>	rs2676034	chr15:33653543	A/G	Intron
<i>SERPINE1</i>	rs1799762	chr7:100769707	-/G	Unknown
<i>SF4</i>	rs10401969	chr19:19407718	C/T	Intron
<i>SH2B1</i>	rs7498665	chr16:28883241	A/G	Missense
<i>SLC12A3</i>	rs12596776	chr16:56919348	C/G	Intron
<i>SLC12A4</i>	rs3785100	chr16:67997920	C/T	Intron,missense
<i>SLC2A2</i>	rs11920090	chr3:170717521	A/T	Intron
<i>SLC2A9</i>	rs6855911	chr4:9935910	A/G	Intron
<i>SLC2A9</i>	rs7442295	chr4:9966380	A/G	Intron
<i>SLC30A8</i>	rs11558471	chr8:118185733	A/G	Untranslated-3
<i>SLC30A8</i>	rs13266634	chr8:118184783	C/T	Missense

<i>SLC6A17</i>	rs2011688	chr1:110729404	C/T	Intron
<i>SMARCA4</i>	rs1529729	chr19:11163562	A/G	Intron
<i>SORBS2</i>	rs2101307	chr4:186526185	A/G	Intron
<i>SPATA17</i>	rs10495066	chr1:217837425	A/G	Intron
<i>STK3</i>	rs12545656	chr8:99479712	A/G	Intron
<i>SUOX</i>	rs7297662	chr12:56395378	A/G	Intron
<i>SYNE2</i>	rs8007972	chr14:64564527	C/T	Intron
<i>TBL2</i>	rs17145738	chr7:72982874	C/T	Near-gene-3
<i>TCF7L2</i>	rs12243326	chr10:114788815	C/T	Intron
<i>TCF7L2</i>	rs4506565	chr10:114756041	A/T	Intron
<i>TCF7L2</i>	rs7089262	chr10:114893489	C/T	Intron
<i>THADA</i>	rs7578597	chr2:43732823	C/T	Ncrna,missense
<i>TIMD4</i>	rs1501908	chr5:156398169	C/G	Unknown
<i>TLR4</i>	rs4986790	chr9:120475302	A/G	Missense
<i>TMPRSS6</i>	rs2235323	chr22:37485193	C/T	Intron
<i>TMPRSS6</i>	rs2235324	chr22:37485724	C/T	Missense
<i>TNF</i>	rs1800629	chr6:31543030	A/G	Near-gene-5
<i>TNF</i>	rs1800750	chr6:31542962	A/G	Near-gene-5
<i>TNF</i>	rs361525	chr6:31543100	A/G	Near-gene-5
<i>TRIOBP</i>	rs4821698	chr22:38115318	C/T	Intron
<i>TRIOBP</i>	rs762982	chr22:38144235	C/T	Intron
<i>TRPM3</i>	rs541326	chr9:73706951	C/T	Intron
<i>TRPM3</i>	rs688933	chr9:73673159	A/G	Intron
<i>TRPV3</i>	rs11078458	chr17:3445901	G/T	Coding-synon
<i>TSLP</i>	rs1898671	chr5:110408002	C/T	Intron,near-gene-5
<i>TSLP</i>	rs2289276	chr5:110407507	C/T	Intron,near-gene-5,untranslated-5
<i>TTC32</i>	rs2278528	chr2:20101832	C/G	Near-gene-5
<i>TTC39B</i>	rs471364	chr9:15289578	A/G	Intron
<i>UMOD</i>	rs13335818	chr16:20359831	C/T	Coding-synon
<i>UMOD</i>	rs4293393	chr16:20364588	C/T	Near-gene-5
<i>Unknown</i>	rs10503669	chr8:19847690	A/C	Unknown
<i>Unknown</i>	rs10778213	chr12:103495151	C/T	Unknown
<i>Unknown</i>	rs10938397	chr4:45182527	A/G	Unknown
<i>Unknown</i>	rs11265260	chr1:159700039	A/G	Unknown
<i>Unknown</i>	rs12093699	chr1:159647988	A/G	Unknown
<i>Unknown</i>	rs12130333	chr1:63191777	C/T	Unknown
<i>Unknown</i>	rs12678919	chr8:19844222	A/G	Unknown
<i>Unknown</i>	rs12744244	chr1:159647656	A/C	Unknown
<i>Unknown</i>	rs1365032	chr8:75553100	A/G	Intron
<i>Unknown</i>	rs1555173	chr6:85064458	A/G	Unknown
<i>Unknown</i>	rs17321515	chr8:126486409	A/G	Unknown

<i>Unknown</i>	rs17782313	chr18:57851097	C/T	Unknown
<i>Unknown</i>	rs2156552	chr18:47181668	A/T	Unknown
<i>Unknown</i>	rs2383208	chr9:22132076	A/G	Unknown
<i>Unknown</i>	rs2568958	chr1:72765116	A/G	Unknown
<i>Unknown</i>	rs2592887	chr1:159652939	A/G	Unknown
<i>Unknown</i>	rs2650000	chr12:121388962	G/T	Unknown
<i>Unknown</i>	rs287354	chr13:69239952	C/T	Unknown
<i>Unknown</i>	rs2954029	chr8:126490972	A/T	Unknown
<i>Unknown</i>	rs4355801	chr8:119923873	A/G	Unknown
<i>Unknown</i>	rs4939883	chr18:47167214	C/T	Unknown
<i>Unknown</i>	rs515135	chr2:21286057	A/G	Unknown
<i>Unknown</i>	rs562338	chr2:21288321	C/T	Unknown
<i>Unknown</i>	rs6548238	chr2:634905	C/T	Unknown
<i>Unknown</i>	rs6586891	chr8:19914598	A/C	Unknown
<i>Unknown</i>	rs6854883	chr4:111607315	C/T	Unknown
<i>Unknown</i>	rs7557067	chr2:21208211	A/G	Unknown
<i>Unknown</i>	rs7566605	chr2:118836025	C/G	Unknown
<i>Unknown</i>	rs890945	chr5:157992223	A/T	Unknown
<i>Unknown</i>	rs966376	chr18:28832838	A/G	Unknown
<i>Unknown</i>	rs9859609	chr3:176259577	A/G	Unknown
<i>USP1</i>	rs636523	chr1:62920008	C/T	Near-gene-3
<i>VDR</i>	rs2239185	chr12:48244559	C/T	Intron
<i>VDR</i>	rs731236	chr12:48238757	A/C/G/T	Coding-synon
<i>VLDLR</i>	rs10757603	chr9:2636520	G/T	Intron
<i>VLDLR</i>	rs10812377	chr9:2633396	C/G	Intron
<i>VLDLR</i>	rs10812379	chr9:2633548	C/T	Intron
<i>VLDLR</i>	rs10812381	chr9:2634646	A/T	Intron
<i>VLDLR</i>	rs10967213	chr9:2625172	G/T	Intron
<i>VLDLR</i>	rs10967217	chr9:2626977	C/G	Intron
<i>VLDLR</i>	rs10967228	chr9:2629324	C/T	Intron
<i>VLDLR</i>	rs12336893	chr9:2632365	G/T	Intron
<i>VLDLR</i>	rs12336931	chr9:2632447	C/T	Intron
<i>VLDLR</i>	rs12379867	chr9:2627954	C/G	Intron
<i>VLDLR</i>	rs12551418	chr9:2627365	A/T	Intron
<i>VLDLR</i>	rs13290598	chr9:2624433	A/G	Intron
<i>VLDLR</i>	rs1454626	chr9:2621030	A/C	Near-gene-5
<i>VLDLR</i>	rs1454627	chr9:2631738	A/G	Intron
<i>VLDLR</i>	rs1545565	chr9:2624874	C/T	Intron
<i>VLDLR</i>	rs1545567	chr9:2626260	C/T	Intron
<i>VLDLR</i>	rs1551411	chr9:2631932	C/T	Intron
<i>VLDLR</i>	rs1869592	chr9:2632250	A/C	Intron

<i>VLDLR</i>	rs2242104	chr9:2640492	A/G	Intron
<i>VLDLR</i>	rs2290465	chr9:2645201	C/G	Intron
<i>VLDLR</i>	rs28439743	chr9:2624276	C/T	Intron
<i>VLDLR</i>	rs28669967	chr9:2626916	C/G	Intron
<i>VLDLR</i>	rs33955077	chr9:2626703	G/T	Intron
<i>VLDLR</i>	rs33967773	chr9:2638113	C/T	Intron
<i>VLDLR</i>	rs34156497	chr9:2639533	A/G	Intron
<i>VLDLR</i>	rs34745933	chr9:2653719	C/T	Intron
<i>VLDLR</i>	rs35075133	chr9:2652589	C/T	Intron
<i>VLDLR</i>	rs35136375	chr9:2628433	A/T	Intron
<i>VLDLR</i>	rs35466361	chr9:2641107	A/T	Intron
<i>VLDLR</i>	rs35775773	chr9:2620274	G/T	Near-gene-5
<i>VLDLR</i>	rs35782329	chr9:2643832	C/T	Intron
<i>VLDLR</i>	rs35840674	chr9:2620346	A/C	Near-gene-5
<i>VLDLR</i>	rs4741748	chr9:2626851	A/G	Intron
<i>VLDLR</i>	rs6144	chr9:2645557	A/T	Intron
<i>VLDLR</i>	rs6145	chr9:2651962	G/T	Intron
<i>VLDLR</i>	rs6148	chr9:2648773	A/G	Coding-synon
<i>VLDLR</i>	rs6149	chr9:2635545	A/G	Missense
<i>VLDLR</i>	rs6475888	chr9:2647760	A/G	Intron
<i>VLDLR</i>	rs7022086	chr9:2624104	A/T	Intron
<i>VLDLR</i>	rs7024888	chr9:2636992	C/T	Intron
<i>VLDLR</i>	rs7027942	chr9:2629776	A/G	Intron
<i>VLDLR</i>	rs7030221	chr9:2635116	C/G	Intron
<i>VLDLR</i>	rs7035616	chr9:2636161	C/T	Intron
<i>VLDLR</i>	rs7043836	chr9:2651714	G/T	Intron
<i>VLDLR</i>	rs7043949	chr9:2651809	C/T	Intron
<i>VLDLR</i>	rs7860109	chr9:2623698	A/G	Intron
<i>VLDLR</i>	rs7863951	chr9:2644874	C/T	Intron
<i>VLDLR</i>	rs8210	chr9:2654419	C/T	Untranslated-3
<i>VPS13C</i>	rs17271305	chr15:62332980	A/G	Intron
<i>VPS13C</i>	rs17271340	chr15:62347885	C/T	Intron
<i>WFS1</i>	rs10012946	chr4:6293350	C/T	Intron
<i>WFS1</i>	rs5018648	chr4:6292818	C/G	Intron
<i>WWOX</i>	rs2667590	chr16:78531037	C/G	Intron
<i>XKR6</i>	rs11990550	chr8:10797831	A/G	Intron
<i>XRCC1</i>	rs1001581	chr19:44065388	C/T	Intron
<i>XRCC1</i>	rs1799782	chr19:44057574	C/T	Missense
<i>XRCC1</i>	rs25486	chr19:44055898	A/G	Intron
<i>XRCC1</i>	rs25487	chr19:44055726	A/G	Missense
<i>XRCC1</i>	rs25489	chr19:44056412	A/G	Missense

<i>XRCC5</i>	rs828704	chr2:216993611	A/C	Intron
<i>YKT6</i>	rs2908282	chr7:44248828	C/T	Intron
<i>YKT6</i>	rs917793	chr7:44245853	A/T	Intron
<i>ZNF259</i>	rs12286037	chr11:116652207	C/T	Intron
<i>ZNF259</i>	rs964184	chr11:116648917	C/G	Intron

^a Official gene symbols are from the HUGO Gene Nomenclature Committee (<http://www.genenames.org>).

^b Unique reference SNP identifier in the Entrez SNP database at the National Center for Biotechnology information (<http://www.ncbi.nlm.nih.gov/projects/SNP/>).

eTable 2. List of 267 SNPs from the NHANES III genetic dataset used for genomic control

rs10007810	rs12046278	rs16982520	rs2121070	rs3096277	rs4949333	rs769214
rs10020773	rs1208	rs16988126	rs2125345	rs309795	rs4951629	rs7745461
rs10037968	rs12140698_A	rs16998073	rs2162987	rs3118378	rs4968401	rs775421
rs10208402	rs12190789	rs16998203	rs2191349	rs313758	rs536706	rs7781370
rs1045642	rs12242066	rs17026635	rs226062	rs314279	rs554339	rs7844723
rs1046896	rs12319089	rs17112401	rs2273061	rs316873	rs574174	rs7861175
rs10488172	rs12374129	rs17215067	rs2280788	rs322707	rs5747079	rs7867013
rs10490072	rs1243400	rs17319721	rs2330442	rs32314	rs6025	rs7958130
rs10500351	rs12451501	rs17356585	rs2378383	rs340406	rs6069670	rs7961581
rs10501920	rs12469114	rs1741662	rs2384550	rs340874	rs6101193	rs8004654
rs10502635	rs12592342	rs17429652	rs2397060	rs342293	rs6265	rs8021730
rs10502868	rs12618178	rs17486127	rs2398162	rs3766680	rs6456218	rs8034191
rs10507380	rs12712739	rs17558056	rs2441965	rs3773643	rs6471201	rs8068838
rs10511828	rs12815715	rs17698672	rs2461751	rs3793427	rs647316	rs8084399
rs10513300	rs12946454	rs17714854	rs2467853	rs3811647	rs6474359	rs818386
rs10514688	rs13147758	rs17764256	rs2479927	rs3865253	rs653178	rs828704
rs10516115	rs1360414	rs1799864	rs2504853	rs3867498	rs6593296	rs8756
rs10521232	rs1366594	rs1799983	rs2523107	rs3889228	rs6602024	rs87938
rs1052133	rs1367248	rs1800435	rs25681	rs3914132	rs662	rs881728
rs1057910	rs1371924	rs1800451	rs2588625	rs3939286	rs6673413	rs882300
rs1061170	rs1379659	rs1800482	rs2588789	rs4273136	rs6711736	rs899547
rs10783197	rs1407434	rs1800497	rs260690	rs4370013	rs686	rs9305354
rs10822108	rs1408801	rs1800629	rs2627037	rs4402960	rs689453	rs9341062
rs10842994	rs1416802	rs1800871	rs2681492	rs4457053	rs6947696	rs9375249
rs10885122	rs1442099	rs1801282_B	rs2702414	rs4512366	rs7042864	rs9379116
rs11016132	rs1471939	rs1805010	rs2740574	rs452421	rs7132980	rs9472138
rs11084753	rs1476609	rs1805128	rs2741856	rs4552542	rs7188697	rs9494145
rs11118259	rs1503767	rs1862370	rs2812219	rs4586907	rs7238445	rs9498115
rs1111875_B	rs1530440	rs1871428	rs2814993	rs4666200	rs724016	rs950828
rs11163470	rs1552224	rs1940653	rs2820037	rs4742455	rs7333181	rs9587059
rs11191548	rs1621902	rs1953743	rs282606	rs4746136	rs7512898	rs9599802
rs11241892	rs162557	rs1955086	rs2835370	rs475749	rs755114	rs9845457
rs1126643	rs1668873	rs1963982	rs2837232	rs4770584	rs7554936	rs9917851
rs1143623	rs16902507	rs2008242	rs2838815	rs4800105	rs7585796	
rs1153188	rs169097	rs2033111	rs2866056	rs4811011	rs7586834	
rs11646213	rs16931326	rs2070469	rs2887172	rs4817276	rs7591163	
rs11743511	rs1693669	rs210135	rs2946788	rs4884605	rs7593730	
rs11928865	rs16948048	rs210135	rs2991497	rs4891590	rs7604361	

eTable 3. Power calculations for associations of genetic variants *APOA4* rs5110 and *APOE* rs7412 among the three racial/ethnic groups.

Gene	Variant	Power (%) ^a		
		Non-Hispanic whites	Non-Hispanic blacks	Mexican Americans
<i>APOA4</i>	rs5110	0.99	0.73	0.99
<i>APOE</i>	rs7412	0.97	0.91	0.60

^aPower was calculated based on an additive genetic model, design effect of 1.3 to accommodate the complex survey design of NHANES III, anti-HEV prevalence for each race/ethnicity group as population disease risk, 0.05 significance level, and observed genetic effect size (odds ratio) from non-Hispanic blacks (Table 2) for each variant in each race/ethnicity group. POWER procedure in SAS 9.3 was used.

eFigure 1. Quantile-quantile plots of P value ($-\log$) for associations of between SNPs in candidate genes with seropositivity of anti-HEV in univariable model

