Appendix 5. Weighted Allele Frequencies in the US Population, by Race/Ethnicity and by Age, Third National Health and Nutrition Examination Survey (NHANES III), Phase 2 (1991–1994)

Gene ppendix symbol	Variant (dbSNP ID)[a]	Allele[b]	Non-Hispanic white								Non-Hispanic black								Mexican-American							
			Age (years)								Age (years)								Age (years)							
			12-19		20-39		40-59		≥ 60		12-19		20-39		40-59		≥ 60		12-19		20-39		40-59		≥ 60	
			%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI
ABCB1	rs1045642	T (C)	50.2	44.1, 56.4	50.4	45.9, 54.9	52.8	49.9, 55.7	52.9	50.0, 55.7	21.6	19.0, 24.4	21.5	18.7, 24.6	20.2	17.8, 22.9	19.7	15.6, 24.6	46.6	39.0, 54.3	45.3	43.4, 47.2	41.8	37.4, 46.4	44.6	38.9, 50.5
ACE	rs4646994	Ins (Del)	42.7	38.5, 46.9	47.2	44.1, 50.2	44.7	41.0, 48.5	45.0	42.1, 48.0	38.6	34.9, 42.5	41.7	38.8, 44.6	41.9	38.4, 45.4	42.7	39.5, 45.9	53.3	48.5, 58.1	52.8	49.2, 56.3	53.7	49.0, 58.3	56.3	52.7, 59.8
ADH1B	rs1229984	A (G)	6.1	4.0, 9.3	4.3	3.3, 5.5	4.3	2.9, 6.1	5.1	4.1, 6.3	1.2	0.7, 2.1	1.4	0.7, 3.1	1.8	0.8, 3.9	0.6	0.2, 2.0	6.0	4.7, 7.7	5.1	4.1, 6.4	5.3	3.9, 7.3	6.2	4.2, 9.1
	rs17033	G (A)	6.7	4.6, 9.6	8.5	7.3, 9.9	9.7	8.2, 11.6	7.7	6.1, 9.6	5.8	4.1, 8.1	7.4	5.8, 9.3	6.3	4.6, 8.6	7.8	5.0, 11.9	30.2	26.9, 33.8	29.1	26.3, 32.0	31.9	29.5, 34.3	30.6	25.5, 36.2
	rs2066702	T (C)	0.0	NA	0.5	0.2, 1.5	0.3	0.1, 1.0	0.4	0.2, 0.8	20.7	18.1, 23.5	20.4	18.2, 22.7	18.9	17.1, 20.8	19.8	15.2, 25.3	1.2	0.4, 3.5	0.7	0.4, 1.2	0.8	0.4, 2.0	1.0	0.5, 1.8
ADH1C	rs1693482	A (G)	41.9	35.3, 48.8	38.3	34.5, 42.3	38.0	33.2, 42.9	37.6	35.3, 39.9	13.5	10.7, 16.7	14.3	12.4, 16.4	15.0	12.4, 18.0	16.0	12.5, 20.2	33.8	30.0, 37.7	34.3	32.0, 36.6	34.5	31.2, 37.9	33.0	28.3, 38.2
	rs698	G (A)	42.7	35.9, 49.7	39.4	35.9, 43.1	39.0	34.2, 44.1	38.3	35.9, 40.7	14.1	11.2, 17.4	14.4	12.4, 16.5	15.5	12.8, 18.7	16.5	13.0, 20.7	29.4	25.4, 33.7	31.7	29.7, 33.8	31.6	28.4, 35.0	30.7	26.2, 35.6
ADRB1	rs1801252	G (A)	13.1	8.8, 19.1	13.6	11.3, 16.2	12.3	9.9, 15.1	14.0	12.5, 15.6	22.1	19.2, 25.3	23.1	21.4, 24.8	23.5	20.9, 26.4	19.2	16.2, 22.6	29.5	24.9, 34.4	28.1	25.6, 30.8	27.0	24.8, 29.3	26.6	21.2, 32.8
ADRB2	rs1042713	A (G)	40.4	35.8, 45.2	39.2	35.3, 43.2	38.6	35.1, 42.2	37.9	35.4, 40.5	47.8	42.0, 53.7	49.5	47.0, 52.0	51.6	46.9, 56.2	49.3	44.6, 54.1	44.3	40.6, 48.2	41.1	38.9, 43.4	41.4	39.0, 43.8	40.1	35.8, 44.7
	rs1042714	G (C)	42.4	37.6, 47.3	40.5	37.8, 43.3	43.9	39.4, 48.5	41.3	39.3, 43.4	20.0	17.4, 22.8	17.3	14.7, 20.2	18.4	15.7, 21.4	17.1	14.1, 20.5	20.3	15.3, 26.3	21.8	19.7, 24.1	20.4	16.2, 25.3	23.2	17.7, 29.8
ADRB3	rs4994	C (T)	6.0	3.5, 10.2	7.0	5.3, 9.1	7.5	5.5, 10.1	6.3	5.5, 7.2	11.2	8.9, 14.0	11.6	9.4, 14.1	12.6	10.3, 15.3	11.0	9.4, 12.9	19.8	17.1, 22.8	15.6	13.0, 18.5	16.5	15.1, 17.9	15.1	12.4, 18.2
ALAD	rs1800435	C (G)	8.9	6.0, 13.1	6.8	5.5, 8.4	9.0	6.9, 11.6	8.5	6.9, 10.5	1.2	0.7, 2.1	1.6	1.0, 2.5	1.1	0.6, 1.9	1.4	0.6, 2.8	4.5	3.1, 6.6	4.8	3.7, 6.3	4.4	3.0, 6.4	2.6	1.6, 4.3
CAPN10	rs3792267	A (G)	24.5	19.9, 29.8	26.9	23.6, 30.4	24.6	20.9, 28.7	26.2	23.3, 29.2	16.2	13.8, 18.9	16.0	13.6, 18.7	16.2	14.0, 18.6	16.5	13.0, 20.6	29.7	26.7, 33.0	26.3	24.3, 28.3	28.0	22.8, 33.8	26.1	23.9, 28.4
B9D2	rs1800468	A (G)	6.6	4.4, 9.7	8.5	6.5, 11.0	7.0	5.2, 9.5	7.7	6.7, 8.8	2.5	1.7, 3.5	3.0	2.1, 4.2	2.8	1.8, 4.5	2.5	1.5, 4.2	3.8	2.6, 5.6	4.7	3.7, 5.9	5.2	3.3, 8.1	5.1	3.5, 7.4
	rs1800469	T (C)	30.1	25.9, 34.6	31.8	28.8, 35.0	30.5	27.9, 33.3	32.9	30.9, 34.9	21.2	18.2, 24.5	22.8	20.5, 25.2	26.9	24.4, 29.6	24.7	21.0, 28.8	45.9	42.5, 49.3	45.7	42.6, 48.9	41.4	37.4, 45.5	45.0	40.4, 49.6
CAT	rs769214	G (A)	67.9	61.6, 73.5	65.8	61.2, 70.2	65.0	58.9, 70.7	67.1	65.2, 68.8	58.3	55.7, 60.8	58.2	55.4, 61.0	60.6	56.8, 64.2	58.1	52.9, 63.2	51.5	48.0, 55.1	49.6	47.5, 51.7	48.1	43.8, 52.4	50.1	45.6, 54.7
CBS	844ins68bp	+ (-)	8.6	6.4, 11.6	8.3	6.7, 10.2	8.3	5.9, 11.4	7.3	6.1, 8.7	27.6	23.2, 32.5	26.0	23.4, 28.9	25.0	21.8, 28.6	24.6	20.9, 28.7	8.1	6.1, 10.5	5.9	5.2, 6.7	5.5	4.2, 7.3	6.5	4.7, 9.0
CCL5	rs2280788	G (C)	2.1	0.9, 4.8	3.6	2.8, 4.5	2.5	1.8, 3.5	2.3	1.6, 3.2	0.5	0.2, 1.4	0.8	0.4, 1.6	0.8	0.3, 1.9	0.3	0.1, 1.3	1.8	0.9, 3.8	1.1	0.6, 1.8	1.3	0.9, 2.0	1.1	0.5, 2.5
CCR2	rs1799864	A (G)	10.3	7.8, 13.6	9.4	7.4, 11.8	9.1	7.2, 11.4	9.7	8.0, 11.6	14.0	11.9, 16.4	15.2	13.8, 16.8	13.2	10.9, 16.0	15.1	12.2, 18.5	19.5	15.8, 23.8	23.6	21.4, 26.1	20.9	18.2, 23.9	17.7	13.9, 22.2
CXCL12	rs169097	T (C)	0.7	0.2, 2.5	0.1	0.0, 0.6	0.4	0.2, 0.7	0.2	0.1, 0.7	17.6	14.7, 20.9	17.8	14.7, 21.3	16.0	13.4, 19.0	16.6	13.5, 20.3	1.6	0.9, 2.6	0.9	0.4, 1.9	0.8	0.5, 1.2	0.4	0.2, 1.0
CYP1A1	rs2472299	T (C)	27.3	22.4, 32.8	28.6	25.8, 31.7	28.3	26.1, 30.7	27.8	25.8, 30.0	35.0	31.7, 38.4	38.2	35.5, 40.9	40.7	36.4, 45.2	40.0	34.4, 45.9	27.4	22.8, 32.7	27.0	24.6, 29.4	24.5	20.8, 28.8	29.0	25.5, 32.7
	rs2606345	G (T)	35.7	31.3, 40.3	33.8	30.6, 37.2	33.0	29.6, 36.7	33.6	31.6, 35.7	84.3	81.2, 87.0	83.6	80.4, 86.4	86.2	81.9, 89.6	81.3	76.7, 85.2	61.0	56.0, 65.8	63.0	60.0, 65.8	61.0	56.3, 65.5	57.5	53.7, 61.2
CYP1A2	rs11854147	T (C)	29.4	24.6, 34.8	31.7	28.8, 34.7	31.5	28.7, 34.4	31.8	30.1, 33.5	75.2	70.1, 79.7	70.5	68.0, 72.9	74.1	71.3, 76.7	69.4	62.8, 75.2	62.8	58.4, 67.1	62.7	59.3, 65.9	56.8	49.2, 64.1	61.7	57.4, 65.8
	rs2069514	A (G)	2.0	0.8, 5.2	1.7	0.7, 4.1	1.2	0.7, 2.2	1.8	1.3, 2.4	30.5	27.2, 34.1	24.9	22.7, 27.3	27.2	24.3, 30.4	23.2	20.1, 26.7	34.5	27.5, 42.3	34.3	31.9, 36.7	32.5	27.6, 37.9	31.1	25.6, 37.3
	rs4886406	G (T)	26.6	22.2, 31.4	28.5	26.1, 31.1	27.9	25.3, 30.7	27.3	25.3, 29.3	34.5	31.1, 38.1	37.2	34.4, 40.0	41.6	37.2, 46.1	41.4	36.2, 46.8	26.0	22.9, 29.5	27.5	24.9, 30.2	24.5	21.2, 28.1	27.6	24.4, 31.0
CYP1B1	rs1056836	G (C)	48.6	42.2, 55.0	44.5	41.1, 47.9	46.8	42.7, 50.9	42.5	39.3, 45.6	73.7	70.2, 77.0	74.9	72.3, 77.3	76.0	73.1, 78.7	75.2	70.5, 79.3	26.9	23.9, 30.1	27.2	24.4, 30.2	25.9	22.8, 29.3	23.6	19.9, 27.7
	rs1056837	T (C)	49.0	42.6, 55.4	44.4	41.3, 47.5	46.7	42.8, 50.8	41.4	38.4, 44.6	70.5	67.3, 73.5	73.4	70.4, 76.1	73.1	69.5, 76.5	72.8	68.3, 76.9	26.5	23.6, 29.5	26.9	23.7, 30.3	26.0	22.9, 29.4	23.2	19.8, 27.0
	rs162557	T (C)	20.7	17.8, 24.0	22.7	20.8, 24.8	24.7	20.7, 29.2	23.5	21.5, 25.6	20.3	17.0, 24.0	22.3	19.6, 25.2	21.1	19.0, 23.4	22.5	19.7, 25.5	15.7	12.9, 18.8	12.3	10.6, 14.1	13.7	11.1, 16.6	10.0	8.0, 12.4
CYP2A6	rs1801272	A (T)	3.9	2.6, 5.7	3.0	2.3, 4.0	4.0	3.0, 5.3	2.4	1.6, 3.5	0.4	0.2, 1.2	0.4	0.2, 0.7	1.0	0.5, 2.3	0.7	0.2, 2.1	1.5	1.0, 2.4	2.3	1.5, 3.5	1.9	1.3, 2.7	1.7	0.7, 3.8
CYP2C19	rs4986893	A (G)	0.0	NA	0.1	0.0, 0.3	0.2	0.0, 0.8	0.2	0.0, 0.6	0.0	NA	0.2	0.0, 0.6	0.2	0.1, 1.1	0.1	0.0, 1.3	0.0	NA	0.1	0.0, 0.5	0.1	0.0, 0.5	0.2	0.0, 1.5
	rs4986894	C (T)	12.0	8.8, 16.3	14.1	11.9, 16.6	13.3	10.9, 16.1	14.5	12.6, 16.7	19.2	16.9, 21.9	18.3	16.2, 20.6	16.6	13.8, 19.9	20.5	17.7, 23.6	9.4	7.3, 12.0	11.7	9.1, 14.8	10.5	8.3, 13.2	12.5	10.2, 15.2
CYP2C9	rs1057910	C (A)	6.4	4.3, 9.3	6.2	4.8, 8.0	7.2	5.4, 9.5	7.4	6.3, 8.8	1.4	0.6, 2.9	1.2	0.6, 2.3	0.9	0.3, 2.2	0.7	0.2, 2.0	3.6	2.0, 6.2	3.9	2.9, 5.1	4.6	3.2, 6.6	2.8	1.6, 4.9
CYP2E1	rs2031920	T (C)	2.5	1.8, 3.5	2.0	1.1, 3.6	2.2	1.4, 3.4	2.6	1.8, 3.7	0.7	0.3, 1.5	0.7	0.5, 1.1	0.9	0.4, 1.8	0.8	0.3, 2.6	9.6	7.9, 11.6	11.6	10.4, 12.9	9.5	7.1, 12.7	10.4	7.7, 14.0
CYP3A4	rs2740574	G (A)	2.2	1.2, 4.0	4.0	2.7, 5.9	4.5	3.1, 6.4	4.6	4.0, 5.5	65.5	61.6, 69.1	63.4	61.2, 65.6	63.6	59.7, 67.3	64.6	61.6, 67.5	7.7	6.5, 9.2	8.0	6.5, 9.7	7.2	5.3, 9.6	7.0	4.1, 11.6
F2	rs1799963	A (G)	1.0	0.4, 2.1	0.7	0.3, 1.6	1.6	0.9, 2.8	1.4	1.0, 2.1	0.3	0.1, 1.2	0.3	0.1, 0.8	0.2	0.1, 0.8	0.3	0.1, 1.0	0.9	0.3, 2.7	1.2	0.7, 2.0	1.0	0.5, 1.9	1.4	0.6, 3.6

Gene ppendix symbol	Variant (dbSNP ID)[a]	Allele[b]	Non-Hispanic white								Non-Hispanic black								Mexican-American							
			Age (years)								Age (years)								Age (years)							
			12-19		20-39		40-59		≥ 60		12-19		20-39		40-59		≥ 60		12-19		20-39		40-59		≥ 60	
			%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI
F5	rs6025	A (G)	2.8	1.7, 4.4	2.2	1.3, 3.8	3.4	2.6, 4.5	2.1	1.3, 3.4	0.8	0.3, 2.2	0.6	0.3, 1.2	0.8	0.3, 2.1	0.1	0.0, 1.2	1.4	0.5, 3.4	0.9	0.6, 1.5	0.9	0.4, 2.4	1.0	0.4, 2.9
FAM82A	rs163086*	T (C)	27.9	22.4, 34.3	23.2	20.5, 26.1	22.5	19.4, 26.0	19.7	17.6, 22.0	21.5	18.4, 25.0	18.7	16.2, 21.5	19.3	17.3, 21.3	16.9	13.8, 20.5	13.7	10.6, 17.3	15.0	13.3, 16.8	14.0	12.3, 15.9	15.5	11.7, 20.2
FCGR2A	rs1801274	A (G)	52.4	46.9, 57.9	47.6	45.0, 50.1	51.4	48.0, 54.8	48.1	44.9, 51.2	50.2	46.0, 54.5	46.9	44.1, 49.6	45.8	42.5, 49.0	48.4	43.5, 53.4	53.3	51.0, 55.7	47.6	45.9, 49.4	47.5	43.5, 51.6	45.8	39.8, 51.9
FGB	rs1800790	A (G)	20.4	15.7, 26.1	19.9	18.2, 21.8	18.0	15.7, 20.5	19.8	18.3, 21.3	6.4	4.6, 8.9	5.5	4.3, 7.0	5.7	4.2, 7.8	4.1	2.8, 5.9	15.8	13.2, 18.7	15.6	12.9, 18.6	13.3	11.6, 15.1	13.6	11.0, 16.6
IL10	rs1800871	T (C)	23.9	18.7, 29.9	25.7	23.0, 28.6	21.8	18.8, 25.3	24.8	22.1, 27.8	39.4	35.4, 43.6	38.8	36.5, 41.1	40.9	37.4, 44.4	40.2	36.0, 44.6	37.9	34.7, 41.2	37.1	32.5, 41.9	40.5	36.0, 45.2	38.5	35.5, 41.6
	rs1800872	A (C)	24.1	18.9, 30.1	25.9	23.0, 28.9	22.2	19.0, 25.9	24.8	22.2, 27.6	39.3	35.6, 43.1	38.4	36.2, 40.7	40.6	36.9, 44.5	39.6	35.3, 44.0	37.6	34.4, 40.9	36.9	32.4, 41.6	40.6	36.1, 45.1	38.4	35.3, 41.5
	rs1800896	G (A)	47.1	41.0, 53.4	45.8	43.4, 48.2	48.4	44.3, 52.5	46.6	43.8, 49.4	36.7	32.7, 40.8	35.1	31.2, 39.2	36.0	31.8, 40.4	35.2	31.3, 39.2	31.9	28.6, 35.4	30.6	27.8, 33.5	29.1	22.7, 36.4	30.1	25.6, 35.0
IL1B	rs1143623	C (G)	30.0	23.7, 37.2	27.8	25.5, 30.3	30.1	25.9, 34.8	26.6	23.3, 30.1	12.0	9.5, 15.0	12.2	10.2, 14.6	9.6	7.1, 12.9	10.1	7.5, 13.4	39.3	36.5, 42.2	44.9	41.2, 48.6	42.9	37.3, 48.8	40.0	37.1, 43.0
IL4	rs2243248	G (T)	8.3	5.9, 11.6	7.5	5.9, 9.4	8.6	6.9, 10.7	5.7	4.7, 6.8	16.1	12.2, 21.1	16.7	15.4, 18.0	13.7	11.1, 16.9	16.0	12.5, 20.1	10.4	6.8, 15.5	13.7	10.8, 17.1	11.2	8.5, 14.5	8.4	6.1, 11.5
	rs2243250	T (C)	16.6	13.4, 20.5	15.7	13.7, 17.9	15.8	13.4, 18.6	16.4	14.4, 18.7	61.8	58.0, 65.4	64.5	61.8, 67.1	65.1	61.9, 68.3	63.2	58.0, 68.1	40.0	36.8, 43.2	43.7	40.0, 47.5	41.4	37.0, 45.9	41.5	36.7, 46.4
	rs2243270	G (A)	16.7	13.6, 20.4	16.1	14.2, 18.3	16.1	13.6, 19.0	16.8	14.5, 19.4	63.1	59.3, 66.6	64.2	61.1, 67.2	64.3	61.1, 67.3	61.8	56.9, 66.5	39.5	36.5, 42.6	43.0	39.1, 46.9	41.0	36.4, 45.7	41.9	36.7, 47.3
IL4R	rs1801275	G (A)	18.8	14.8, 23.5	21.7	19.3, 24.2	20.8	18.1, 23.9	20.3	18.1, 22.6	65.5	61.2, 69.6	67.4	64.4, 70.2	65.6	61.0, 69.9	70.9	66.7, 74.8	27.1	24.8, 29.5	30.3	28.2, 32.5	26.8	23.2, 30.7	27.3	23.5, 31.4
	rs1805015	C (T)	13.6	9.4, 19.4	15.3	13.3, 17.6	17.3	14.8, 20.1	15.5	13.9, 17.2	39.7	36.1, 43.6	35.9	33.1, 38.8	35.6	32.4, 38.9	37.4	33.8, 41.2	15.6	13.2, 18.4	16.1	13.6, 19.1	14.6	12.7, 16.8	16.1	13.2, 19.4
ITGA2	rs1126643	T (C)	45.9	40.2, 51.7	40.5	37.5, 43.6	41.2	37.0, 45.4	39.7	37.6, 41.7	29.4	25.1, 34.0	30.7	27.3, 34.3	29.3	27.1, 31.6	27.2	22.8, 32.0	46.9	43.1, 50.7	44.3	42.1, 46.5	43.0	39.7, 46.4	45.1	41.2, 49.1
ITGB3	rs5918	C (T)	14.3	11.1, 18.1	16.8	14.7, 19.2	16.8	14.7, 19.0	15.8	14.3, 17.4	9.2	7.6, 11.1	10.1	8.7, 11.8	10.9	9.1, 13.2	9.4	6.8, 12.7	7.5	4.9, 11.5	10.9	9.3, 12.8	8.6	6.9, 10.7	10.0	6.5, 15.0
MBL2	rs11003125	G (C)	36.9	32.5, 41.5	36.5	32.8, 40.3	35.3	32.7, 37.9	37.3	34.5, 40.3	12.2	9.5, 15.5	12.1	10.5, 13.9	16.2	13.2, 19.7	10.1	8.7, 11.7	50.0	45.2, 54.7	52.3	49.2, 55.4	50.0	45.5, 54.5	47.5	42.6, 52.5
	rs1800450	A(G)	15.6	12.1, 19.9	13.7	11.6, 16.0	15.1	12.6, 18.1	14.7	13.2, 16.4	6.2	4.4, 8.6	3.4	2.5, 4.5	3.8	2.4, 5.8	3.8	2.5, 5.7	13.3	9.8, 17.9	14.2	11.9, 16.9	15.9	14.0, 18.0	16.8	14.2, 19.8
	rs1800451*	A (G)	1.4	0.8, 2.3	2.4	1.7, 3.3	1.2	0.8, 2.0	2.6	2.1, 3.2	23.0	19.4, 27.0	23.2	21.5, 25.0	23.4	20.9, 26.3	23.6	19.6, 28.2	2.1	1.4, 3.1	2.3	1.5, 3.6	3.2	2.2, 4.6	3.0	2.0, 4.5
	rs5030737	T (C)	9.1	5.7, 14.1	8.4	6.6, 10.5	6.4	4.8, 8.5	6.3	5.0, 7.9	1.4	0.8, 2.4	1.2	0.7, 2.0	1.2	0.7, 1.9	0.7	0.2, 2.2	4.2	3.1, 5.7	2.5	1.7, 3.7	2.8	1.8, 4.2	2.3	1.2, 4.2
	rs7096206	C (G)	22.0	18.2, 26.3	21.6	18.7, 24.8	23.7	19.8, 28.1	22.3	20.2, 24.4	15.1	13.0, 17.4	15.1	12.8, 17.6	15.4	13.6, 17.3	15.2	12.1, 18.9	12.7	9.1, 17.6	11.1	9.0, 13.7	9.8	7.3, 12.9	13.8	11.5, 16.4
MTHFR	rs1801131	C (A)	27.5	23.1, 32.2	31.1	27.2, 35.2	32.4	28.7, 36.3	31.4	29.4, 33.6	17.3	14.2, 20.8	18.3	16.1, 20.8	17.8	14.9, 21.2	17.6	12.5, 24.2	17.1	12.3, 23.2	18.5	15.8, 21.6	20.6	15.4, 27.0	19.9	17.3, 22.8
	rs1801133	T (C)	32.6	26.2, 39.7	31.6	28.1, 35.4	33.0	29.0, 37.3	33.5	30.7, 36.4	12.1	9.5, 15.2	11.7	10.5, 13.2	10.4	8.4, 12.8	12.7	9.9, 16.2	48.1	42.5, 53.7	44.5	42.3, 46.8	41.2	35.9, 46.6	45.5	42.1, 49.0
	rs2066470*	T (C)	7.6	5.1, 11.2	8.5	6.3, 11.3	10.2	8.5, 12.2	11.6	10.0, 13.4	9.1	6.5, 12.8	8.4	7.2, 9.9	8.3	6.2, 11.2	9.5	6.3, 14.1	5.7	3.5, 9.0	5.8	4.7, 7.0	8.6	6.5, 11.2	7.7	6.3, 9.4
MTRR	rs1801394	G (A)	50.3	43.2, 57.4	53.5	50.5, 56.4	50.2	46.3, 54.1	56.5	54.0, 59.1	29.9	26.5, 33.5	30.4	27.5, 33.5	26.0	22.0, 30.5	26.9	24.0, 29.9	26.2	21.5, 31.5	25.4	23.1, 27.9	27.2	24.4, 30.2	26.9	23.7, 30.3
NAT2	rs1041983	T (C)	37.4	33.1, 41.9	35.5	32.9, 38.1	34.9	31.7, 38.3	34.9	32.3, 37.7	46.2	40.9, 51.6	46.4	44.4, 48.3	45.8	41.2, 50.5	45.5	39.1, 52.1	30.2	25.0, 36.0	31.9	28.9, 35.1	32.2	28.6, 36.1	34.9	31.6, 38.3
	rs1208	G (A)	39.6	35.8, 43.5	41.5	38.4, 44.6	41.3	38.5, 44.1	40.8	38.5, 43.2	38.2	33.0, 43.6	38.3	36.3, 40.4	37.8	34.6, 41.2	39.1	34.6, 43.7	35.2	31.3, 39.4	36.8	33.5, 40.1	32.7	30.5, 35.0	37.7	32.3, 43.4
	rs1799930	A (G)	33.7	28.9, 38.9	32.4	29.7, 35.3	31.8	29.1, 34.6	32.0	30.0, 34.1	28.1	23.3, 33.5	27.9	25.3, 30.7	26.9	23.1, 31.1	29.8	25.4, 34.6	16.8	13.1, 21.3	17.8	15.6, 20.2	18.2	14.9, 22.0	21.0	17.1, 25.6
	rs1801279	A (G)	0.0	NA	0.0	NA	0.1	0.0, 0.5	0.1	0.0, 0.3	7.7	5.3, 11.2	7.8	6.6, 9.3	8.6	6.9, 10.6	6.6	5.4, 8.2	0.6	0.2, 1.7	0.4	0.2, 0.9	0.7	0.3, 1.9	0.5	0.2, 1.2
	rs1801280	C (T)	40.4	36.7, 44.2	42.5	39.3, 45.7	42.2	39.4, 45.0	42.4	39.6, 45.3	28.8	24.4, 33.5	30.2	28.3, 32.2	28.3	25.7, 31.1	28.7	25.8, 31.8	32.1	27.3, 37.4	33.2	30.1, 36.6	30.1	26.0, 34.6	33.5	28.8, 38.5
NOS2A	rs1800482	C (G)	0.1	0.0, 0.9	0.0	NA	0.0	NA	0.2	0.0, 0.6	4.9	3.2, 7.3	6.0	4.5, 7.9	7.5	5.6, 10.1	6.7	5.1, 8.7	0.1	0.0, 0.9	0.3	0.1, 0.8	0.4	0.1, 3.2	0.0	0.0, 0.3
	rs9282799	T (C)	0.0	NA	0.0	NA	0.0	0.0, 0.3	0.1	0.0, 0.5	4.5	3.0, 6.9	5.1	4.2, 6.1	4.9	4.0, 6.0	2.1	1.3, 3.3	0.8	0.3, 2.0	0.4	0.1, 1.0	0.0	NA	0.5	0.1, 3.5
NOS3	rs1799983*	T (G)	32.2	27.6, 37.3	34.5	31.7, 37.4	30.3	28.0, 32.7	32.2	30.4, 34.1	13.4	11.5, 15.5	13.4	11.3, 15.9	11.6	9.4, 14.3	14.4	12.3, 16.8	19.9	17.4, 22.7	18.9	15.9, 22.2	19.3	16.3, 22.7	24.1	20.8, 27.7
	rs2070744	C (T)	36.4	32.0, 41.0	40.8	37.9, 43.8	38.0	33.7, 42.4	39.2	36.6, 41.9	13.0	10.8, 15.6	15.8	14.1, 17.6	15.6	12.6, 19.0	15.3	12.1, 19.3	27.5	23.0, 32.5	24.3	22.2, 26.4	23.6	20.7, 26.7	28.6	24.9, 32.7
NQO1	rs10517	T (C)	14.1	11.1, 17.7	13.3	11.0, 15.9	13.0	10.8, 15.6	12.7	11.2, 14.3	14.1	11.5, 17.2	13.8	11.9, 15.9	13.5	11.5, 15.8	14.6	11.3, 18.5	5.5	3.2, 9.5	6.2	4.9, 7.7	7.8	5.8, 10.4	7.5	5.6, 9.9
	rs1800566	T (C)	21.9	17.9, 26.6	19.1	16.7, 21.9	18.6	15.6, 22.0	19.4	17.0, 22.0	17.5	15.5, 19.8	20.6	18.8, 22.4	17.2	14.3, 20.5	18.1	15.3, 21.4	39.4	35.1, 43.9	35.5	33.3, 37.7	38.1	35.2, 41.2	35.3	31.6, 39.2
	rs34755915	A (G)	2.0	0.9, 4.2	1.8	1.2, 2.8	1.7	1.1, 2.6	1.8	1.2, 2.8	0.1	0.0, 0.7	0.6	0.2, 1.7	0.3	0.1, 1.0	0.3	0.1, 1.4	0.5	0.1, 2.2	0.6	0.3, 1.2	0.5	0.2, 1.6	0.5	0.2, 1.3
	rs689452	G (C)	12.7	10.0, 16.0	12.0	9.9, 14.5	11.7	9.8, 14.0	11.5	10.0, 13.2	14.3	11.7, 17.4	13.7	12.1, 15.6	13.1	11.0, 15.5	14.2	10.9, 18.2	5.4	3.1, 9.2	6.1	4.7, 7.8	7.6	5.6, 10.1	7.2	5.2, 10.0
	rs689453	A (G)	8.6	5.5, 13.0	6.9	5.6, 8.5	8.5	7.0, 10.4	8.2	6.7, 10.0	5.5	4.1, 7.3	4.3	3.3, 5.5	5.3	3.8, 7.5	6.6	4.7, 9.2	5.0	2.7, 9.1	5.5	4.0, 7.5	5.6	4.0, 7.8	3.1	2.5, 3.9
OGG1	rs1052133	G (C)	21.2	17.3, 25.6	20.9	17.8, 24.4	21.5	18.1, 25.2	22.5	19.9, 25.3	15.6	13.3, 18.2	17.6	15.4, 20.1	14.0	11.7, 16.7	18.4	15.8, 21.3	30.0	25.2, 35.3	33.5	30.9, 36.3	34.6	30.7, 38.7	32.6	29.1, 36.2
PON1	rs662	G (A)	27.4	23.3, 32.0	32.3	30.0, 34.6	33.0	29.6, 36.5	30.3	27.5, 33.3	65.6	62.6, 68.5	67.6	65.4, 69.8	66.4	62.6, 70.0	68.8	64.8, 72.6	46.0	41.9, 50.0	47.3	44.8, 49.9	44.5	39.9, 49.2	48.5	44.5, 52.6
	rs854560	A (T)	38.7	33.2, 44.6	34.7	30.3, 39.3	35.1	31.4, 38.9	36.2	34.4, 38.1	17.3	14.6, 20.3	18.0	16.3, 19.9	18.0	15.1, 21.4	18.1	16.0, 20.4	24.9	21.6, 28.6	21.3	18.7, 24.1	24.8	20.6, 29.5	24.3	21.5, 27.5
PPARG	rs1801282	G (C)	13.5	10.0, 17.9	13.7	11.8, 15.8	13.6	11.5, 15.9	11.8	10.6, 13.2	2.3	1.2, 4.5	2.6	2.0, 3.4	2.8	1.7, 4.4	2.0	1.0, 4.1	12.1	9.5, 15.3	13.0	11.5, 14.7	11.8	10.4, 13.4	10.8	7.8, 14.7
SERPINE	rs1799762[c]	4G (5G)	50.0	45.7, 54.2	52.7	49.8, 55.6	53.7	50.7, 56.6	52.1	49.9, 54.3	25.8	23.1, 28.8	26.8	23.5, 30.3	27.6	24.5, 31.0	25.7	22.5, 29.3	36.7	30.3, 43.6	31.6	29.1, 34.2	36.0	30.4, 41.9	36.9	33.2, 40.7

Gene ppendix symbol	Variant (dbSNP ID)[a]	Allele[b]	Non-Hispanic white								Non-Hispanic black								Mexican-American							
			Age (years)								Age (years)								Age (years)							
			12-19		20-39		40-59		≥ 60		12-19		20-39		40-59		≥ 60		12-19		20-39		40-59		≥ 60	
			%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI
1																										
TGFB1	rs1982073	C (T)	37.0	31.8, 42.4	37.9	34.5, 41.4	38.6	35.5, 41.7	40.2	38.0, 42.4	38.2	35.0, 41.5	44.8	42.3, 47.3	46.0	43.0, 49.0	45.4	41.0, 49.9	51.6	48.1, 54.9	51.1	48.6, 53.6	46.7	44.0, 49.3	51.5	46.7, 56.2
TLR4	rs4986790	G (A)	7.4	5.1, 10.7	6.9	5.7, 8.2	6.5	5.2, 8.2	6.7	5.0, 8.8	7.9	6.1, 10.1	8.2	6.9, 9.8	6.2	4.6, 8.2	6.9	4.9, 9.6	1.8	0.9, 3.7	2.7	2.0, 3.8	2.3	1.0, 5.2	2.8	1.5, 5.1
TNF	rs1800629	A (G)	16.8	13.1, 21.3	18.3	15.3, 21.7	16.4	14.2, 18.7	17.0	15.0, 19.1	14.1	11.5, 17.2	14.1	12.2, 16.3	11.9	10.2, 13.8	11.0	8.4, 14.3	8.5	5.2, 13.6	6.8	5.4, 8.7	6.8	4.9, 9.4	8.6	5.9, 12.2
	rs1800750	A (G)	1.0	0.3, 2.8	1.5	0.9, 2.6	1.2	0.6, 2.6	1.4	0.8, 2.6	2.0	1.2, 3.5	3.0	2.3, 4.1	1.5	0.8, 2.6	2.1	1.0, 4.5	1.9	1.3, 2.9	2.2	1.6, 3.2	3.1	1.9, 4.9	3.9	2.5, 6.0
	rs361525*	A (G)	5.4	3.9, 7.6	7.1	5.6, 8.9	4.6	3.4, 6.1	5.3	4.3, 6.5	5.1	3.5, 7.4	4.7	3.6, 6.1	3.1	1.9, 5.0	3.0	1.7, 5.2	5.5	4.2, 7.0	6.2	5.2, 7.4	5.1	3.2, 8.1	6.3	4.6, 8.6
VDR	rs2239185	C (T)	45.6	37.0, 54.4	50.0	47.2, 52.8	47.3	43.6, 51.0	46.3	42.9, 49.6	41.2	37.4, 45.0	43.4	40.7, 46.1	41.0	38.0, 44.2	47.2	43.2, 51.3	56.9	50.8, 62.8	57.9	55.6, 60.1	60.6	54.8, 66.2	57.3	50.7, 63.7
	rs731236	C (T)	38.2	30.5, 46.6	36.6	34.3, 38.9	39.3	36.5, 42.1	39.0	36.0, 42.2	25.8	22.9, 29.0	28.6	26.4, 30.8	29.7	26.6, 33.0	27.4	24.1, 31.0	23.5	20.4, 27.0	24.1	21.4, 27.1	23.1	19.8, 26.8	24.3	20.1, 29.1
XRCC1	rs1001581	A (G)	34.9	27.2, 43.4	41.9	39.0, 44.9	40.3	36.9, 43.7	38.9	37.3, 40.6	36.6	33.4, 39.9	35.3	32.1, 38.7	36.0	32.8, 39.3	42.2	37.1, 47.4	31.4	26.5, 36.7	29.3	26.6, 32.3	30.6	26.8, 34.7	31.3	27.5, 35.5
	rs1799782	T (C)	5.8	3.7, 9.0	4.1	3.4, 4.8	4.9	3.2, 7.5	6.1	4.9, 7.5	5.8	4.5, 7.4	6.3	5.2, 7.7	7.4	5.7, 9.4	4.2	2.9, 5.9	13.2	10.0, 17.2	15.1	12.9, 17.6	14.6	12.9, 16.5	17.6	13.0, 23.4
	rs25486	G (A)	32.3	25.1, 40.5	37.5	34.6, 40.5	36.1	32.9, 39.4	35.3	33.6, 37.1	23.9	21.4, 26.7	22.5	20.0, 25.2	26.6	23.8, 29.6	25.2	22.0, 28.7	25.7	21.7, 30.2	25.3	23.1, 27.6	26.5	23.2, 30.0	26.8	22.8, 31.3
	rs25487	A (G)	32.1	24.7, 40.4	37.2	34.3, 40.2	36.7	33.8, 39.8	35.6	33.9, 37.3	16.6	14.0, 19.6	14.5	12.5, 16.7	17.1	14.9, 19.5	17.2	13.8, 21.2	25.9	21.9, 30.4	25.2	23.2, 27.3	25.8	22.5, 29.4	27.1	23.3, 31.2
	rs25489	A (G)	3.9	2.5, 6.0	4.1	3.1, 5.5	3.8	2.6, 5.7	3.9	3.1, 5.0	3.8	2.5, 5.8	3.4	2.7, 4.3	2.7	1.9, 3.9	4.6	2.9, 7.3	12.9	9.6, 17.1	13.2	11.4, 15.3	10.4	8.5, 12.7	11.6	9.5, 14.2

CI, confidence interval; NA, not applicable.
* $P < 0.05$ after adjustment for race/ethnicity.
[a] Unique identifier in the Entrez SNP (single-nucleotide polymorphism) database at the National Center for Biotechnology Information (http://www.ncbi.nlm.nih.gov/projects/SNP/).
[b] Major allele is in parentheses.
[c] Variant also known as rs1799768 and rs1799889.