

XIII. Genotypic and Allelic Frequencies of Genes

aldehyde dehydrogenase 2 (ALDH2) E/K
 amylin S20D
 angiotensin converting enzyme (ACE) I/D
 angiotensinogen C235T
 angiotensin II type I receptor A1166C
 angiotensin II type I receptor G-2228A
 angiotensin II type I receptor C-1424G
 apolipoprotein E A-491T
 beta2-adrenergic receptor (ADRB2) Gln27Glu
 calcitonin receptor C1377T
 chemokine receptor 2 (CCR2) G190A (Val64Ile)
 cholesterol ester transfer protein (CETP) A1324G (Asp442Gly)
 coagulation factor XIII (FXIII) Val34Leu
 calpain 10 G43A
 catechol-o-methyltransferase (COMT) GA(Val158Met)
 CYP2D6-3 base-ID (CYP2D6B)
 CYP2D6-4 GA (CYP2D6A)
 dopamine transporter (DAT) A1215G
 dihydrolipoamide succinyltransferase (DLST) 19117 in intron 13 (A or G)
 dihydrolipoamide succinyltransferase (DLST) 19183 in intron 14 (T or C)
 dopamine receptor D2 CG(Ser311Cys)
 estrogen receptor alpha (ESRRA) PP/pp
 estrogen Receptor alpha (ESRRA) XX/xx
 fibrinogen beta-polypeptide chain (FGB) G-455A
 guanine nucleotide binding protein beta-3 (GNB3) C825T
 glycogen synthetase M416V
 interleukin 10 (IL10) A-592C
 interleukin 1 alpha (IL1A) C-889T
 interleukin-1β(IL1B)(C-511T)
 interleukin 6 (IL6) G-634C
 monoamine oxidase B (MAOB) GA (intron13/exon14)
 melanocortin-4 receptor(MC-4) AG(Ile103Val)
 matrix-degrading metalloproteinase 1 (MMP-1) (1G/2G at-1607)
 mitochondria 15524 (A/G)
 mitochondria 15497 (G/A)
 mitochondria 5178 (C/A)
 synthetic construct methylenetetrahydrofolate reductase (MTHFR) (C677T)
 NADH/NADPHx22phox(242C/T(His/Try))
 nitric oxide synthase 3 (eNOS) G894T(Glu298Asp)
 nitric oxide synthase 3 (eNOS) I/D
 osteocalcin C298T
 platelet-activating factor acetylhydase (PAF-AH) G994T
 paraoxonase (PON1) 192 Gln/Arg
 paraoxonase (PON1) 55 Leu/Met
 paraoxonase (PON2) 311 Cys/Ser
 24kDa protein of complex I CT(Ala29Val)
 manganese superoxide dismutase (SOD2) C47T
 transferrin C1/C2 (Pro570Ser)
 transforming growth factor-beta 1 (TGF-b) T-29C
 transforming growth factor-beta 1 (TGF-b) C-509T
 tumor necrosis factor-alpha (TNFA) C-863A
 translocase of the outer mitochondrial membrane 40 (TOM40) T988C
 uncoupling protein 1 (UCP1) A-3826G
 vascular endothelial growth factor (VEGF) C936T
 vascular endothelial growth factor (VEGF) G405C

Genotypic frequencies for aldehyde dehydrogenase 2 (ALDH2) E/K

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	E/E	147	50.5	150	53.2	140	49.5	153	54.4	590	51.9
	E/K	121	41.6	111	39.4	110	38.9	107	38.1	449	39.5
	K/K	23	7.9	21	7.4	33	11.7	21	7.5	98	8.6

Female	E/E	133	47.7	135	48.4	152	53.3	145	52.0	565	50.4
	E/K	117	41.9	113	40.5	112	39.3	115	41.2	457	40.7
	K/K	29	10.4	31	11.1	21	7.4	19	6.8	100	8.9
Total	E/E	280	49.1	285	50.8	292	51.4	298	53.2	1155	51.1
	E/K	238	41.8	224	39.9	222	39.1	222	39.6	906	40.1
	K/K	52	9.1	52	9.3	54	9.5	40	7.1	198	8.8

Allele frequencies for aldehyde dehydrogenase 2 (ALDH2) E/K

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	E	415	71.3	411	72.9	390	68.9	413	73.5	1629	71.6
	K	167	28.7	153	27.1	176	31.1	149	26.5	645	28.4
Female	E	383	68.6	383	68.6	416	73.0	405	72.6	1587	70.7
	K	175	31.4	175	31.4	154	27.0	153	27.4	657	29.3
Total	E	798	70.0	794	70.8	806	71.0	818	73.0	3216	71.2
	K	342	30.0	328	29.2	330	29.0	302	27.0	1302	28.8

Genotypic frequencies for amylin S20D

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	291	100.0	278	98.6	276	98.6	278	99.3	1123	99.1
	A/G	0	0	4	1.4	4	1.4	2	0.7	10	0.9
Female	A/A	277	99.3	278	99.6	282	99.3	275	98.9	1112	99.3
	A/G	2	0.7	1	0.4	2	0.7	3	1.1	8	0.7
Total	A/A	568	99.6	556	99.1	558	98.9	553	99.1	2235	99.2
	A/G	2	0.4	5	0.9	6	1.1	5	0.9	18	0.8

Allele frequencies for amylin S20D

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	582	100.0	560	99.3	556	99.3	558	99.6	2256	99.6
	G	0	0	4	0.7	4	0.7	2	0.4	10	0.4
Female	A	556	99.6	557	99.8	566	99.6	553	99.5	2232	99.6
	G	2	0.4	1	0.2	2	0.4	3	0.5	8	0.4
Total	A	1138	99.8	1117	99.6	1122	99.5	1111	99.6	4488	99.6
	G	2	0.2	5	0.4	6	0.5	5	0.4	18	0.4

Genotypic frequencies for angiotensin converting enzyme (ACE) I/D

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	I/I	120	41.4	112	39.9	139	49.1	126	44.8	497	43.8
	I/D	125	43.1	125	44.5	104	36.7	99	35.2	453	39.9
	D/D	45	15.5	44	15.7	40	14.1	56	19.9	185	16.3
Female	I/I	109	39.1	109	39.1	103	36.1	116	41.6	437	38.9
	I/D	119	42.7	113	40.5	129	45.3	109	39.1	470	41.9
	D/D	51	18.3	57	20.4	53	18.6	54	19.4	215	19.2
Total	I/I	229	40.2	221	39.5	242	42.6	242	43.2	934	41.4
	I/D	244	42.9	238	42.5	233	41.0	208	37.1	923	40.9

D/D	96	16.9	101	18.0	93	16.4	110	19.6	400	17.7
-----	----	------	-----	------	----	------	-----	------	-----	------

Allele frequencies for angiotensin converting enzyme (ACE) I/D

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	I	365	62.9	349	62.1	382	67.5	351	62.5	1447	63.7
	D	215	37.1	213	37.9	184	32.5	211	37.5	823	36.3
Female	I	337	60.4	331	59.3	335	58.8	341	61.1	1344	59.9
	D	221	39.6	227	40.7	235	41.2	217	38.9	900	40.1
Total	I	702	61.7	680	60.7	717	63.1	692	61.8	2791	61.8
	D	436	38.3	440	39.3	419	36.9	428	38.2	1723	38.2

Genotypic frequencies for angiotensinogen C235T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	177	63.0	184	66.7	182	66.7	179	66.1	722	65.6
	C/T	90	32.0	79	28.6	78	28.6	84	31.0	331	30.1
	T/T	14	5.0	13	4.7	13	4.8	8	3.0	48	4.4
Female	C/C	186	69.1	166	61.3	178	66.2	172	62.8	702	64.8
	C/T	73	27.1	90	33.2	80	29.7	87	31.8	330	30.5
	T/T	10	3.7	15	5.5	11	4.1	15	5.5	51	4.7
Total	C/C	363	66.0	350	64.0	360	66.4	351	64.4	1424	65.2
	C/T	163	29.6	169	30.9	158	29.2	171	31.4	661	30.3
	T/T	24	4.4	28	5.1	24	4.4	23	4.2	99	4.5

Allele frequencies for angiotensinogen C235T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	444	79.0	447	81.0	442	81.0	442	81.5	1775	80.6
	T	118	21.0	105	19.0	104	19.0	100	18.5	427	19.4
Female	C	445	82.7	422	77.9	436	81.0	431	78.6	1734	80.1
	T	93	17.3	120	22.1	102	19.0	117	21.4	432	19.9
Total	C	889	80.8	869	79.4	878	81.0	873	80.1	3509	80.3
	T	211	19.2	225	20.6	206	19.0	217	19.9	859	19.7

Genotypic frequencies for angiotensin II type I receptor A1166C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	242	83.4	239	85.7	240	85.1	225	80.4	946	83.6
	A/C	47	16.2	37	13.3	42	14.9	50	17.9	176	15.6
	C/C	1	0.3	3	1.1	0	0	5	1.8	9	0.8
Female	A/A	236	85.2	239	86.6	237	83.7	237	85.6	949	85.3
	A/C	40	14.4	35	12.7	45	15.9	40	14.4	160	14.4
	C/C	1	0.4	2	0.7	1	0.4	0	0	4	0.4
Total	A/A	478	84.3	478	86.1	477	84.4	462	82.9	1895	84.4
	A/C	87	15.3	72	13.0	87	15.4	90	16.2	336	15.0
	C/C	2	0.4	5	0.9	1	0.2	5	0.9	13	0.6

Allele frequencies for angiotensin II type I receptor A1166C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	531	91.6	515	92.3	522	92.6	500	89.3	2068	91.4
	C	49	8.4	43	7.7	42	7.4	60	10.7	194	8.6
Female	A	512	92.4	513	92.9	519	91.7	514	92.8	2058	92.5
	C	42	7.6	39	7.1	47	8.3	40	7.2	168	7.5
Total	A	1043	92.0	1028	92.6	1041	92.1	1014	91.0	4126	91.9
	C	91	8.0	82	7.4	89	7.9	100	9.0	362	8.1

Genotypic frequencies for angiotensin II type I receptor G–2228A

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	287	100.0	277	100.0	280	100.0	279	100.0	1123	100.0
Female	G/G	276	100.0	274	100.0	280	100.0	276	100.0	1106	100.0
Total	G/G	563	100.0	551	100.0	560	100.0	555	100.0	2229	100.0

Allele frequencies for angiotensin II type I receptor G–2228A

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	574	100.0	554	100.0	560	100.0	558	100.0	2246	100.0
Female	G	552	100.0	548	100.0	560	100.0	552	100.0	2212	100.0
Total	G	1126	100.0	1102	100.0	1120	100.0	1110	100.0	4458	100.0

Genotypic frequencies for angiotensin II type I receptor C–1424G

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	289	100.0	281	100.0	278	100.0	278	100.0	1126	100.0
Female	C/C	277	100.0	278	100.0	282	100.0	277	100.0	1114	100.0
Total	C/C	566	100.0	559	100.0	560	100.0	555	100.0	2240	100.0

Allele frequencies for angiotensin II type I receptor C–1424G

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	578	100.0	562	100.0	556	100.0	556	100.0	2252	100.0
Female	C	554	100.0	556	100.0	564	100.0	554	100.0	2228	100.0
Total	C	1132	100.0	1118	100.0	1120	100.0	1110	100.0	4480	100.0

Genotypic frequencies for apolipoprotein E A–491T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	250	94.7	250	94.7	250	94.0	249	94.0	999	94.3
	A/T	13	4.9	14	5.3	15	5.6	16	6.0	58	5.5
	T/T	1	0.4	0	0	1	0.4	0	0	2	0.2
Female	A/A	246	93.9	245	93.5	268	97.8	247	94.6	1006	95.0
	A/T	16	6.1	17	6.5	4	1.5	14	5.4	51	4.8
	T/T	0	0	0	0	2	0.7	0	0	2	0.2

Total	A/A	496	94.3	495	94.1	518	95.9	496	94.3	2005	94.7
	A/T	29	5.5	31	5.9	19	3.5	30	5.7	109	5.1
	T/T	1	0.2	0	0	3	0.6	0	0	4	0.2

Allele frequencies for apolipoprotein E A-491T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	513	97.2	514	97.3	515	96.8	514	97.0	2056	97.1
	T	15	2.8	14	2.7	17	3.2	16	3.0	62	2.9
Female	A	508	96.9	507	96.8	540	98.5	508	97.3	2063	97.4
	T	16	3.1	17	3.2	8	1.5	14	2.7	55	2.6
Total	A	1021	97.1	1021	97.1	1055	97.7	1022	97.1	4119	97.2
	T	31	2.9	31	2.9	25	2.3	30	2.9	117	2.8

Genotypic frequencies for β 2-adrenerginc receptor (ADRB2) Gln27Glu

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	251	86.6	239	86.0	243	86.2	237	85.6	970	86.1
	C/G	36	12.4	36	12.9	36	12.8	40	14.4	148	13.1
	G/G	3	1.0	3	1.1	3	1.1	0	0	9	0.8
Female	C/C	245	88.1	246	89.1	248	87.6	246	89.1	985	88.5
	C/G	31	11.2	27	9.8	31	11.0	26	9.4	115	10.3
	G/G	2	0.7	3	1.1	4	1.4	4	1.4	13	1.2
Total	C/C	496	87.3	485	87.5	491	86.9	483	87.3	1955	87.3
	C/G	67	11.8	63	11.4	67	11.9	66	11.9	263	11.7
	G/G	5	0.9	6	1.1	7	1.2	4	0.7	22	1.0

Allele frequencies for β 2-adrenerginc receptor (ADRB2) Gln27Glu

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	538	92.8	514	92.4	522	92.6	514	92.8	2088	92.6
	G	42	7.2	42	7.6	42	7.4	40	7.2	166	7.4
Female	C/C	521	93.7	519	94.0	527	93.1	518	93.8	2085	93.7
	G	35	6.3	33	6.0	39	6.9	34	6.2	141	6.3
Total	C/C	1059	93.2	1033	93.2	1049	92.8	1032	93.3	4173	93.1
	G	77	6.8	75	6.8	81	7.2	74	6.7	307	6.9

Genotypic frequencies for calcitonin receptor C1377T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	230	79.3	236	84.0	223	79.4	216	77.4	905	80.0
	C/T	56	19.3	40	14.2	54	19.2	57	20.4	207	18.3
	T/T	4	1.4	5	1.8	4	1.4	6	2.2	19	1.7
Female	C/C	221	79.5	220	79.1	229	81.2	233	84.1	903	81.0
	C/T	47	16.9	52	18.7	50	17.7	39	14.1	188	16.9
	T/T	10	3.6	6	2.2	3	1.1	5	1.8	24	2.2
Total	C/C	451	79.4	456	81.6	452	80.3	449	80.8	1808	80.5
	C/T	103	18.1	92	16.5	104	18.5	96	17.3	395	17.6

T/T	14	2.5	11	2.0	7	1.2	11	2.0	43	1.9
-----	----	-----	----	-----	---	-----	----	-----	----	-----

Allele frequencies for calcitonin receptor C1377T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	516	89.0	512	91.1	500	89.0	489	87.6	2017	89.2
	T	64	11.0	50	8.9	62	11.0	69	12.4	245	10.8
Female	C	489	87.9	492	88.5	508	90.1	505	91.2	1994	89.4
	T	67	12.1	64	11.5	56	9.9	49	8.8	236	10.6
Total	C	1005	88.5	1004	89.8	1008	89.5	994	89.4	4011	89.3
	T	131	11.5	114	10.2	118	10.5	118	10.6	481	10.7

Genotypic frequencies for chemokine receptor 2 (CCR2) G190A (Val64Ile)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	147	51.0	148	53.0	155	55.0	147	53.3	597	53.1
	G/A	121	42.0	106	38.0	103	36.5	111	40.2	441	39.2
	A/A	20	6.9	25	9.0	24	8.5	18	6.5	87	7.7
Female	G/G	154	55.6	146	52.9	141	50.4	140	50.7	581	52.4
	G/A	101	36.5	111	40.2	111	39.6	107	38.8	430	38.8
	A/A	22	7.9	19	6.9	28	10.0	29	10.5	98	8.8
Total	G/G	301	53.3	294	53.0	296	52.7	287	52.0	1178	52.7
	G/A	222	39.3	217	39.1	214	38.1	218	39.5	871	39.0
	A/A	42	7.4	44	7.9	52	9.3	47	8.5	185	8.3

Allele frequencies for chemokine receptor 2 (CCR2) G190A (Val64Ile)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	415	72.0	402	72.0	413	73.2	405	73.4	1635	72.7
	A	161	28.0	156	28.0	151	26.8	147	26.6	615	27.3
Female	G	409	73.8	403	73.0	393	70.2	387	70.1	1592	71.8
	A	145	26.2	149	27.0	167	29.8	165	29.9	626	28.2
Total	G	824	72.9	805	72.5	806	71.7	792	71.7	3227	72.2
	A	306	27.1	305	27.5	318	28.3	312	28.3	1241	27.8

Genotypic frequencies for cholesterol ester transfer protein (CETP) A1324G (Asp442Gly)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	267	92.1	263	93.3	266	94.3	254	90.4	1050	92.5
	A/G	23	7.9	19	6.7	15	5.3	27	9.6	84	7.4
	G/G	0	0	0	0	1	0.4	0	0	1	0.1
Female	A/A	257	92.1	260	93.5	265	93.3	254	91.4	1036	92.6
	A/G	21	7.5	18	6.5	19	6.7	22	7.9	80	7.1
	G/G	1	0.4	0	0	0	0	2	0.7	3	0.3
Total	A/A	524	92.1	523	93.4	531	93.8	508	90.9	2086	92.5
	A/G	44	7.7	37	6.6	34	6.0	49	8.8	164	7.3
	G/G	1	0.2	0	0	1	0.2	2	0.4	4	0.2

Allele frequencies for cholesterol ester transfer protein (CETP) A1324G (Asp442Gly)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	557	96.0	545	96.6	547	97.0	535	95.2	2184	96.2
	G	23	4.0	19	3.4	17	3.0	27	4.8	86	3.8
Female	A	535	95.9	538	96.8	549	96.7	530	95.3	2152	96.2
	G	23	4.1	18	3.2	19	3.3	26	4.7	86	3.8
Total	A	1092	96.0	1083	96.7	1096	96.8	1065	95.3	4336	96.2
	G	46	4.0	37	3.3	36	3.2	53	4.7	172	3.8

Genotypic frequencies for coagulation factor XIII (FXIII) Val34Leu

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	285	100.0	279	100.0	280	100.0	276	99.6	1120	99.9
	G/T	0	0	0	0	0	0	1	0.4	1	0.1
Female	G/G	275	100.0	276	100.0	283	100.0	276	100.0	1110	100.0
	G/T	0	0	0	0	0	0	0	0	0	0
Total	G/G	560	100.0	555	100.0	563	100.0	552	99.8	2230	100.0
	G/T	0	0	0	0	0	0	1	0.2	1	0.0

Allele frequencies for coagulation factor XIII (FXIII) Val34Leu

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	570	100.0	558	100.0	560	100.0	553	99.8	2241	100.0
	T	0	0	0	0	0	0	1	0.2	1	0.0
Female	G	550	100.0	552	100.0	566	100.0	552	100.0	2220	100.0
	T	0	0	0	0	0	0	0	0	0	0
Total	G	1120	100.0	1110	100.0	1126	100.0	1105	99.9	4461	100.0
	T	0	0	0	0	0	0	1	0.1	1	0.0

Genotypic frequencies for calpain 10 G43A

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	245	84.2	255	90.7	256	90.8	248	88.6	1004	88.5
	G/A	45	15.5	26	9.3	25	8.9	32	11.4	128	11.3
	A/A	1	0.3	0	0	1	0.4	0	0	2	0.2
Female	G/G	251	90.0	249	89.2	253	89.4	248	89.5	1001	89.5
	G/A	28	10.0	29	10.4	28	9.9	28	10.1	113	10.1
	A/A	0	0	1	0.4	2	0.7	1	0.4	4	0.4
Total	G/G	496	87.0	504	90.0	509	90.1	496	89.0	2005	89.0
	G/A	73	12.8	55	9.8	53	9.4	60	10.8	241	10.7
	A/A	1	0.2	1	0.2	3	0.5	1	0.2	6	0.3

Allele frequencies for calpain 10 G43A

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	535	91.9	536	95.4	537	95.2	528	94.3	2136	94.2
	A	47	8.1	26	4.6	27	4.8	32	5.7	132	5.8

Female	G	530	95.0	527	94.4	534	94.3	524	94.6	2115	94.6
	A	28	5.0	31	5.6	32	5.7	30	5.4	121	5.4
Total	G	1065	93.4	1063	94.9	1071	94.8	1052	94.4	4251	94.4
	A	75	6.6	57	5.1	59	5.2	62	5.6	253	5.6

Genotypic frequencies for catechol-o-methyltransferase (COMT) GA(Val158Met)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	142	49.3	131	46.6	125	44.8	135	48.6	533	47.3
	G/A	115	39.9	121	43.1	131	47.0	117	42.1	484	43.0
	A/A	31	10.8	29	10.3	23	8.2	26	9.4	109	9.7
Female	G/G	122	44.0	125	45.0	122	43.0	133	47.8	502	44.9
	G/A	119	43.0	122	43.9	145	51.1	114	41.0	500	44.8
	A/A	36	13.0	31	11.2	17	6.0	31	11.2	115	10.3
Total	G/G	264	46.7	256	45.8	247	43.9	268	48.2	1035	46.1
	G/A	234	41.4	243	43.5	276	49.0	231	41.5	984	43.9
	A/A	67	11.9	60	10.7	40	7.1	57	10.3	224	10.0

Allele frequencies for catechol-o-methyltransferase (COMT) GA(Val158Met)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	399	69.3	383	68.1	381	68.3	387	69.6	1550	68.8
	A	177	30.7	179	31.9	177	31.7	169	30.4	702	31.2
Female	G	363	65.5	372	66.9	389	68.5	380	68.3	1504	67.3
	A	191	34.5	184	33.1	179	31.5	176	31.7	730	32.7
Total	G	762	67.4	755	67.5	770	68.4	767	69.0	3054	68.1
	A	368	32.6	363	32.5	356	31.6	345	31.0	1432	31.9

Genotypic frequencies for CYP2D6-3 1base-ID (CYP2D6B)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	I/I	287	100.0	282	100.0	275	100.0	275	100.0	1119	100.0
Female	I/I	279	100.0	276	100.0	280	100.0	276	100.0	1111	100.0
Total	I/I	566	100.0	558	100.0	555	100.0	551	100.0	2230	100.0

Allele frequencies for CYP2D6-3 1base-ID (CYP2D6B)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	I	574	100.0	564	100.0	550	100.0	550	100.0	2238	100.0
Female	I	558	100.0	552	100.0	560	100.0	552	100.0	2222	100.0
Total	I	1132	100.0	1116	100.0	1110	100.0	1102	100.0	4460	100.0

Genotypic frequencies for CYP2D6-4 GA (CYP2D6A)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	236	100.0	241	100.0	232	100.0	241	100.0	950	100.0
Female	G/G	239	100.0	229	100.0	246	100.0	234	100.0	948	100.0

Total	G/G	475	100.0	470	100.0	478	100.0	475	100.0	1898	100.0
-------	-----	-----	-------	-----	-------	-----	-------	-----	-------	------	-------

Allele frequencies for CYP2D6-4 GA (CYP2D6A)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	472	100.0	482	100.0	464	100.0	482	100.0	1900	100.0
Female	G	478	100.0	458	100.0	492	100.0	468	100.0	1896	100.0
Total	G	950	100.0	940	100.0	956	100.0	950	100.0	3796	100.0

Genotypic frequencies for dopamine transporter (DAT) A1215G

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	238	82.6	228	81.1	235	83.9	221	79.8	922	81.9
	A/G	47	16.3	50	17.8	44	15.7	53	19.1	194	17.2
	G/G	3	1.0	3	1.1	1	0.4	3	1.1	10	0.9
Female	A/A	229	83.6	225	80.9	237	83.7	226	82.5	917	82.7
	A/G	42	15.3	52	18.7	44	15.5	44	16.1	182	16.4
	G/G	3	1.1	1	0.4	2	0.7	4	1.5	10	0.9
Total	A/A	467	83.1	453	81.0	472	83.8	447	81.1	1839	82.3
	A/G	89	15.8	102	18.2	88	15.6	97	17.6	376	16.8
	G/G	6	1.1	4	0.7	3	0.5	7	1.3	20	0.9

Allele frequencies for dopamine transporter (DAT) A1215G

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	523	90.8	506	90.0	514	91.8	495	89.4	2038	90.5
	G	53	9.2	56	10.0	46	8.2	59	10.6	214	9.5
Female	A	500	91.2	502	90.3	518	91.5	496	90.5	2016	90.9
	G	48	8.8	54	9.7	48	8.5	52	9.5	202	9.1
Total	A	1023	91.0	1008	90.2	1032	91.7	991	89.9	4054	90.7
	G	101	9.0	110	9.8	94	8.3	111	10.1	416	9.3

Genotypic frequencies for dihydrolipoamide succinyltransferase (DLST) 19117 in intron 13 (A or G)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	82	28.2	78	27.7	74	26.5	71	25.3	305	26.9
	A/G	132	45.4	122	43.3	140	50.2	140	49.8	534	47.1
	G/G	77	26.5	82	29.1	65	23.3	70	24.9	294	25.9
Female	A/A	72	25.9	61	21.9	88	30.9	74	26.6	295	26.4
	A/G	147	52.9	151	54.3	134	47.0	139	50.0	571	51.0
	G/G	59	21.2	66	23.7	63	22.1	65	23.4	253	22.6
Total	A/A	154	27.1	139	24.8	162	28.7	145	25.9	600	26.6
	A/G	279	49.0	273	48.8	274	48.6	279	49.9	1105	49.1
	G/G	136	23.9	148	26.4	128	22.7	135	24.2	547	24.3

Allele frequencies for dihydrolipoamide succinyltransferase (DLST) 19117 in intron 13 (A or G)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%

Male	A	296	50.9	278	49.3	288	51.6	282	50.2	1144	50.5
	G	286	49.1	286	50.7	270	48.4	280	49.8	1122	49.5
Female	A	291	52.3	273	49.1	310	54.4	287	51.6	1161	51.9
	G	265	47.7	283	50.9	260	45.6	269	48.4	1077	48.1
Total	A	587	51.6	551	49.2	598	53.0	569	50.9	2305	51.2
	G	551	48.4	569	50.8	530	47.0	549	49.1	2199	48.8

Genotypic frequencies for dihydrolipoamide succinyltransferase (DLST) 19183 in intron 14 (T or C)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	165	56.7	162	57.4	158	56.6	166	59.1	651	57.5
	C/T	103	35.4	104	36.9	102	36.6	98	34.9	407	35.9
	T/T	23	7.9	16	5.7	19	6.8	17	6.0	75	6.6
Female	C/C	142	51.1	160	57.6	152	53.3	153	55.0	607	54.2
	C/T	112	40.3	107	38.5	107	37.5	103	37.1	429	38.3
	T/T	24	8.6	11	4.0	26	9.1	22	7.9	83	7.4
Total	C/C	307	54.0	322	57.5	310	55.0	319	57.1	1258	55.9
	C/T	215	37.8	211	37.7	209	37.1	201	36.0	836	37.1
	T/T	47	8.3	27	4.8	45	8.0	39	7.0	158	7.0

Allele frequencies for dihydrolipoamide succinyltransferase (DLST) 19183 in intron 14 (T or C)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	433	74.4	428	75.9	418	74.9	430	76.5	1709	75.4
	T	149	25.6	136	24.1	140	25.1	132	23.5	557	24.6
Female	C	396	71.2	427	76.8	411	72.1	409	73.6	1643	73.4
	T	160	28.8	129	23.2	159	27.9	147	26.4	595	26.6
Total	C	829	72.8	855	76.3	829	73.5	839	75.0	3352	74.4
	T	309	27.2	265	23.7	299	26.5	279	25.0	1152	25.6

Genotypic frequencies for dopamine receptor D2 CG(Ser311Cys)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	275	94.8	255	90.7	259	92.5	265	94.6	1054	93.2
	C/G	15	5.2	24	8.5	21	7.5	14	5.0	74	6.5
	G/G	0	0	2	0.7	0	0	1	0.4	3	0.3
Female	C/C	253	91.3	255	92.1	266	93.7	257	92.4	1031	92.4
	C/G	23	8.3	21	7.6	18	6.3	20	7.2	82	7.3
	G/G	1	0.4	1	0.4	0	0	1	0.4	3	0.3
Total	C/C	528	93.1	510	91.4	525	93.1	522	93.5	2085	92.8
	C/G	38	6.7	45	8.1	39	6.9	34	6.1	156	6.9
	G/G	1	0.2	3	0.5	0	0	2	0.4	6	0.3

Allele frequencies for dopamine receptor D2 CG(Ser311Cys)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	565	97.4	534	95.0	539	96.3	544	97.1	2182	96.5
	G	15	2.6	28	5.0	21	3.8	16	2.9	80	3.5

Female	C	529	95.5	531	95.8	550	96.8	534	96.0	2144	96.1
	G	25	4.5	23	4.2	18	3.2	22	4.0	88	3.9
Total	C	1094	96.5	1065	95.4	1089	96.5	1078	96.6	4326	96.3
	G	40	3.5	51	4.6	39	3.5	38	3.4	168	3.7

Genotypic frequencies for estrogen receptor alpha (ESRRA) PP/pp

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T/T	110	38.3	89	32.0	105	37.6	95	34.4	399	35.6
	T/C	138	48.1	140	50.4	129	46.2	134	48.6	541	48.3
	C/C	39	13.6	49	17.6	45	16.1	47	17.0	180	16.1
Female	T/T	103	37.5	108	39.1	110	38.9	78	28.3	399	35.9
	T/C	127	46.2	117	42.4	131	46.3	143	51.8	518	46.7
	C/C	45	16.4	51	18.5	42	14.8	55	19.9	193	17.4
Total	T/T	213	37.9	197	35.6	215	38.3	173	31.3	798	35.8
	T/C	265	47.2	257	46.4	260	46.3	277	50.2	1059	47.5
	C/C	84	14.9	100	18.1	87	15.5	102	18.5	373	16.7

Allele frequencies for estrogen receptor alpha (ESRRA) PP/pp

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T	358	62.4	318	57.2	339	60.8	324	58.7	1339	59.8
	C	216	37.6	238	42.8	219	39.2	228	41.3	901	40.2
Female	T	333	60.5	333	60.3	351	62.0	299	54.2	1316	59.3
	C	217	39.5	219	39.7	215	38.0	253	45.8	904	40.7
Total	T	691	61.5	651	58.8	690	61.4	623	56.4	2655	59.5
	C	433	38.5	457	41.2	434	38.6	481	43.6	1805	40.5

Genotypic frequencies for estrogen Receptor alpha (ESRRA) XX/xx

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	208	72.2	177	63.0	193	68.9	197	70.6	775	68.7
	A/G	70	24.3	96	34.2	75	26.8	73	26.2	314	27.8
	G/G	10	3.5	8	2.8	12	4.3	9	3.2	39	3.5
Female	A/A	196	70.8	181	65.3	193	68.7	169	61.5	739	66.6
	A/G	73	26.4	85	30.7	80	28.5	94	34.2	332	29.9
	G/G	8	2.9	11	4.0	8	2.8	12	4.4	39	3.5
Total	A/A	404	71.5	358	64.2	386	68.8	366	66.1	1514	67.6
	A/G	143	25.3	181	32.4	155	27.6	167	30.1	646	28.9
	G/G	18	3.2	19	3.4	20	3.6	21	3.8	78	3.5

Allele frequencies for estrogen Receptor alpha (ESRRA) XX/xx

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	486	84.4	450	80.1	461	82.3	467	83.7	1864	82.6
	G	90	15.6	112	19.9	99	17.7	91	16.3	392	17.4
Female	A	465	83.9	447	80.7	466	82.9	432	78.5	1810	81.5
	G	89	16.1	107	19.3	96	17.1	118	21.5	410	18.5
Total	A	951	84.2	897	80.4	927	82.6	899	81.1	3674	82.1

	G	179	15.8	219	19.6	195	17.4	209	18.9	802	17.9
--	---	-----	------	-----	------	-----	------	-----	------	-----	------

Genotypic frequencies for fibrinogen beta-polypeptide chain (FGB) G-455A

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	222	77.4	206	73.6	219	78.5	198	71.7	845	75.3
	G/A	61	21.3	67	23.9	56	20.1	74	26.8	258	23.0
	A/A	4	1.4	7	2.5	4	1.4	4	1.4	19	1.7
Female	G/G	212	77.1	196	72.3	204	73.1	211	76.7	823	74.8
	G/A	58	21.1	71	26.2	68	24.4	61	22.2	258	23.5
	A/A	5	1.8	4	1.5	7	2.5	3	1.1	19	1.7
Total	G/G	434	77.2	402	73.0	423	75.8	409	74.2	1668	75.1
	G/A	119	21.2	138	25.0	124	22.2	135	24.5	516	23.2
	A/A	9	1.6	11	2.0	11	2.0	7	1.3	38	1.7

Allele frequencies for fibrinogen beta-polypeptide chain (FGB) G-455A

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	505	88.0	479	85.5	494	88.5	470	85.1	1948	86.8
	A	69	12.0	81	14.5	64	11.5	82	14.9	296	13.2
Female	G	482	87.6	463	85.4	476	85.3	483	87.8	1904	86.5
	A	68	12.4	79	14.6	82	14.7	67	12.2	296	13.5
Total	G	987	87.8	942	85.5	970	86.9	953	86.5	3852	86.7
	A	137	12.2	160	14.5	146	13.1	149	13.5	592	13.3

Genotypic frequencies for guanine nucleotide binding protein β 3 (GNB3) C825T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	84	29.2	86	30.7	61	21.9	89	31.9	320	28.4
	C/T	125	43.4	120	42.9	158	56.6	119	42.7	522	46.4
	T/T	79	27.4	74	26.4	60	21.5	71	25.4	284	25.2
Female	C/C	84	30.7	67	24.5	96	33.8	81	29.1	328	29.5
	C/T	112	40.9	134	48.9	121	42.6	132	47.5	499	45.0
	T/T	78	28.5	73	26.6	67	23.6	65	23.4	283	25.5
Total	C/C	168	29.9	153	27.6	157	27.9	170	30.5	648	29.0
	C/T	237	42.2	254	45.8	279	49.6	251	45.1	1021	45.7
	T/T	157	27.9	147	26.5	127	22.6	136	24.4	567	25.4

Allele frequencies for guanine nucleotide binding protein β 3 (GNB3) C825T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	293	50.9	292	52.1	280	50.2	297	53.2	1162	51.6
	T	283	49.1	268	47.9	278	49.8	261	46.8	1090	48.4
Female	C	280	51.1	268	48.9	313	55.1	294	52.9	1155	52.0
	T	268	48.9	280	51.1	255	44.9	262	47.1	1065	48.0
Total	C	573	51.0	560	50.5	593	52.7	591	53.1	2317	51.8
	T	551	49.0	548	49.5	533	47.3	523	46.9	2155	48.2

Genotypic frequencies for glycogen synthetase M416V

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	235	81.6	226	80.4	228	81.4	219	78.5	908	80.5
	A/G	51	17.7	49	17.4	49	17.5	53	19.0	202	17.9
	G/G	2	0.7	6	2.1	3	1.1	7	2.5	18	1.6
Female	A/A	228	82.0	219	78.8	229	81.2	213	76.6	889	79.7
	A/G	49	17.6	52	18.7	48	17.0	62	22.3	211	18.9
	G/G	1	0.4	7	2.5	5	1.8	3	1.1	16	1.4
Total	A/A	463	81.8	445	79.6	457	81.3	432	77.6	1797	80.1
	A/G	100	17.7	101	18.1	97	17.3	115	20.6	413	18.4
	G/G	3	0.5	13	2.3	8	1.4	10	1.8	34	1.5

Allele frequencies for glycogen synthetase M416V

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	521	90.5	501	89.1	505	90.2	491	88.0	2018	89.5
	G	55	9.5	61	10.9	55	9.8	67	12.0	238	10.5
Female	A	505	90.8	490	88.1	506	89.7	488	87.8	1989	89.1
	G	51	9.2	66	11.9	58	10.3	68	12.2	243	10.9
Total	A	1026	90.6	991	88.6	1011	89.9	979	87.9	4007	89.3
	G	106	9.4	127	11.4	113	10.1	135	12.1	481	10.7

Genotypic frequencies for interleukin 10 (IL10) A-592C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	129	45.3	125	44.5	150	53.8	124	45.1	528	47.1
	A/C	123	43.2	124	44.1	106	38.0	121	44.0	474	42.3
	C/C	33	11.6	32	11.4	23	8.2	30	10.9	118	10.5
Female	A/A	134	48.7	126	46.0	121	43.5	111	40.2	492	44.6
	A/C	114	41.5	115	42.0	128	46.0	139	50.4	496	45.0
	C/C	27	9.8	33	12.0	29	10.4	26	9.4	115	10.4
Total	A/A	263	47.0	251	45.2	271	48.7	235	42.6	1020	45.9
	A/C	237	42.3	239	43.1	234	42.0	260	47.2	970	43.6
	C/C	60	10.7	65	11.7	52	9.3	56	10.2	233	10.5

Allele frequencies for interleukin 10 (IL10) A-592C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	381	66.8	374	66.5	406	72.8	369	67.1	1530	68.3
	C	189	33.2	188	33.5	152	27.2	181	32.9	710	31.7
Female	A	382	69.5	367	67.0	370	66.5	361	65.4	1480	67.1
	C	168	30.5	181	33.0	186	33.5	191	34.6	726	32.9
Total	A	763	68.1	741	66.8	776	69.7	730	66.2	3010	67.7
	C	357	31.9	369	33.2	338	30.3	372	33.8	1436	32.3

Genotypic frequencies for interleukin 1 alpha (IL1A) C-889T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	241	82.8	238	84.4	216	76.3	228	81.4	923	81.3
	C/T	48	16.5	42	14.9	61	21.6	50	17.9	201	17.7
	T/T	2	0.7	2	0.7	6	2.1	2	0.7	12	1.1
Female	C/C	224	80.6	220	78.9	239	83.9	227	81.9	910	81.3
	C/T	50	18.0	58	20.8	43	15.1	49	17.7	200	17.9
	T/T	4	1.4	1	0.4	3	1.1	1	0.4	9	0.8
Total	C/C	465	81.7	458	81.6	455	80.1	455	81.7	1833	81.3
	C/T	98	17.2	100	17.8	104	18.3	99	17.8	401	17.8
	T/T	6	1.1	3	0.5	9	1.6	3	0.5	21	0.9

Allele frequencies for interleukin 1 alpha (IL1A) C-889T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	530	91.1	518	91.8	493	87.1	506	90.4	2047	90.1
	T	52	8.9	46	8.2	73	12.9	54	9.6	225	9.9
Female	C	498	89.6	498	89.2	521	91.4	503	90.8	2020	90.3
	T	58	10.4	60	10.8	49	8.6	51	9.2	218	9.7
Total	C	1028	90.3	1016	90.6	1014	89.3	1009	90.6	4067	90.2
	T	110	9.7	106	9.4	122	10.7	105	9.4	443	9.8

Genotypic frequencies for interleukin-1 β (IL1B) (C-511T)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	80	27.8	76	27.1	77	27.3	80	28.6	313	27.7
	C/T	143	49.7	142	50.7	145	51.4	143	51.1	573	50.7
	T/T	65	22.6	62	22.1	60	21.3	57	20.4	244	21.6
Female	C/C	74	26.7	81	29.2	80	28.1	78	28.0	313	28.0
	C/T	147	53.1	141	50.9	138	48.4	146	52.3	572	51.2
	T/T	56	20.2	55	19.9	67	23.5	55	19.7	233	20.8
Total	C/C	154	27.3	157	28.2	157	27.7	158	28.3	626	27.8
	C/T	290	51.3	283	50.8	283	49.9	289	51.7	1145	50.9
	T/T	121	21.4	117	21.0	127	22.4	112	20.0	477	21.2

Allele frequencies for interleukin-1 β (IL1B) (C-511T)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	303	52.6	294	52.5	299	53.0	303	54.1	1199	53.1
	T	273	47.4	266	47.5	265	47.0	257	45.9	1061	46.9
Female	C	295	53.2	303	54.7	298	52.3	302	54.1	1198	53.6
	T	259	46.8	251	45.3	272	47.7	256	45.9	1038	46.4
Total	C	598	52.9	597	53.6	597	52.6	605	54.1	2397	53.3
	T	532	47.1	517	46.4	537	47.4	513	45.9	2099	46.7

Genotypic frequencies for interleukin 6 (IL6) G-634C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	154	53.5	169	60.4	161	57.5	180	64.7	664	59.0

Female	C/G	114	39.6	88	31.4	106	37.9	84	30.2	392	34.8
	G/G	20	6.9	23	8.2	13	4.6	14	5.0	70	6.2
	C/C	168	60.9	156	56.1	159	56.2	155	56.2	638	57.3
	C/G	91	33.0	106	38.1	110	38.9	99	35.9	406	36.5
	G/G	17	6.2	16	5.8	14	4.9	22	8.0	69	6.2
Total	C/C	322	57.1	325	58.2	320	56.8	335	60.5	1302	58.2
	C/G	205	36.3	194	34.8	216	38.4	183	33.0	798	35.6
	G/G	37	6.6	39	7.0	27	4.8	36	6.5	139	6.2

Allele frequencies for interleukin 6 (IL6) G-634C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	422	73.3	426	76.1	428	76.4	444	79.9	1720	76.4
	G	154	26.7	134	23.9	132	23.6	112	20.1	532	23.6
Female	C	427	77.4	418	75.2	428	75.6	409	74.1	1682	75.6
	G	125	22.6	138	24.8	138	24.4	143	25.9	544	24.4
Total	C	849	75.3	844	75.6	856	76.0	853	77.0	3402	76.0
	G	279	24.7	272	24.4	270	24.0	255	23.0	1076	24.0

Genotypic frequencies for monoamine oxidase B (MAOB) GA (intron13/exon14)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	244	84.1	234	83.6	240	85.7	242	86.4	960	85.0
	A/G	1	0.3	1	0.4	2	0.7	0	0	4	0.4
	G/G	45	15.5	45	16.1	38	13.6	38	13.6	166	14.7
Female	A/A	206	73.8	200	71.9	198	69.5	208	75.1	812	72.6
	A/G	65	23.3	72	25.9	82	28.8	63	22.7	282	25.2
	G/G	8	2.9	6	2.2	5	1.8	6	2.2	25	2.2
Total	A/A	450	79.1	434	77.8	438	77.5	450	80.8	1772	78.8
	A/G	66	11.6	73	13.1	84	14.9	63	11.3	286	12.7
	G/G	53	9.3	51	9.1	43	7.6	44	7.9	191	8.5

Allele frequencies for monoamine oxidase B (MAOB) GA (intron13/exon14)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	489	84.3	469	83.8	482	86.1	484	86.4	1924	85.1
	G	91	15.7	91	16.3	78	13.9	76	13.6	336	14.9
Female	A	477	85.5	472	84.9	478	83.9	479	86.5	1906	85.2
	G	81	14.5	84	15.1	92	16.1	75	13.5	332	14.8
Total	A	966	84.9	941	84.3	960	85.0	963	86.4	3830	85.1
	G	172	15.1	175	15.7	170	15.0	151	13.6	668	14.9

Genotypic frequencies for malanocortin-4 receptor (MC-4) AG(Ile103Val)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	278	96.2	271	96.8	274	97.9	270	97.1	1093	97.0
	G/A	11	3.8	9	3.2	6	2.1	8	2.9	34	3.0
Female	G/G	268	97.1	267	96.7	278	98.6	266	96.0	1079	97.1
	G/A	8	2.9	9	3.3	4	1.4	11	4.0	32	2.9

Total	G/G	546	96.6	538	96.8	552	98.2	536	96.6	2172	97.1
	G/A	19	3.4	18	3.2	10	1.8	19	3.4	66	2.9

Allele frequencies for malanocortin-4 receptor (MC-4) AG(Ile103Val)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	567	98.1	551	98.4	554	98.9	548	98.6	2220	98.5
	A	11	1.9	9	1.6	6	1.1	8	1.4	34	1.5
Female	G	544	98.6	543	98.4	560	99.3	543	98.0	2190	98.6
	A	8	1.4	9	1.6	4	0.7	11	2.0	32	1.4
Total	G	1111	98.3	1094	98.4	1114	99.1	1091	98.3	4410	98.5
	A	19	1.7	18	1.6	10	0.9	19	1.7	66	1.5

Genotypic frequencies for matrix-degrading metalloproteinase 1 (MMP-1) (1G/2G at-1607)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	1G/1G	31	10.7	32	11.5	34	12.1	38	13.7	135	12.0
	1G/2G	140	48.4	118	42.3	126	44.7	119	42.8	503	44.6
	2G/2G	118	40.8	129	46.2	122	43.3	121	43.5	490	43.4
Female	1G/1G	25	9.0	29	10.4	24	8.5	34	12.2	112	10.0
	1G/2G	132	47.5	125	45.0	111	39.2	109	39.2	477	42.7
	2G/2G	121	43.5	124	44.6	148	52.3	135	48.6	528	47.3
Total	1G/1G	56	9.9	61	11.0	58	10.3	72	12.9	247	11.0
	1G/2G	272	48.0	243	43.6	237	41.9	228	41.0	980	43.7
	2G/2G	239	42.2	253	45.4	270	47.8	256	46.0	1018	45.3

Allele frequencies for matrix-degrading metalloproteinase 1 (MMP-1) (1G/2G at-1607)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	1G	202	34.9	182	32.6	194	34.4	195	35.1	773	34.3
	2G	376	65.1	376	67.4	370	65.6	361	64.9	1483	65.7
Female	1G	182	32.7	183	32.9	159	28.1	177	31.8	701	31.4
	2G	374	67.3	373	67.1	407	71.9	379	68.2	1533	68.6
Total	1G	384	33.9	365	32.8	353	31.2	372	33.5	1474	32.8
	2G	750	66.1	749	67.2	777	68.8	740	66.5	3016	67.2

Genotypic frequencies for mitochondria 15524 (A/G)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	12	4.2	12	4.4	17	6.3	20	7.2	61	5.5
	G	274	95.8	258	95.6	255	93.8	257	92.8	1044	94.5
Female	A	16	6.0	25	9.3	12	4.3	14	5.2	67	6.2
	G	251	94.0	245	90.7	268	95.7	257	94.8	1021	93.8
Total	A	28	5.1	37	6.9	29	5.3	34	6.2	128	5.8
	G	525	94.9	503	93.1	523	94.7	514	93.8	2065	94.2

Genotypic frequencies for mitochondria 15497 (G/A)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	272	97.1	252	94.7	258	95.6	264	96.4	1046	96.0
	A	8	2.9	14	5.3	12	4.4	10	3.6	44	4.0
Female	G	260	98.1	259	95.6	266	98.5	257	97.0	1042	97.3
	A	5	1.9	12	4.4	4	1.5	8	3.0	29	2.7
Total	G	532	97.6	511	95.2	524	97.0	521	96.7	2088	96.6
	A	13	2.4	26	4.8	16	3.0	18	3.3	73	3.4

Genotypic frequencies for mitochondria 5178 (C/A)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	163	56.8	177	63.9	156	56.1	161	57.9	657	58.7
	A	124	43.2	100	36.1	122	43.9	117	42.1	463	41.3
Female	C	165	59.6	160	57.3	182	64.5	171	61.7	678	60.8
	A	112	40.4	119	42.7	100	35.5	106	38.3	437	39.2
Total	C	328	58.2	337	60.6	338	60.4	332	59.8	1335	59.7
	A	236	41.8	219	39.4	222	39.6	223	40.2	900	40.3

Genotypic frequencies for synthetic construct methylenetetrahydrofolate reductase (MTHFR) (C677T)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	103	35.6	106	38.3	103	37.6	98	35.5	410	36.7
	C/T	135	46.7	128	46.2	130	47.4	134	48.6	527	47.2
	T/T	51	17.6	43	15.5	41	15.0	44	15.9	179	16.0
Female	C/C	105	38.3	98	35.8	101	35.8	111	41.0	415	37.7
	C/T	123	44.9	133	48.5	145	51.4	127	46.9	528	48.0
	T/T	46	16.8	43	15.7	36	12.8	33	12.2	158	14.4
Total	C/C	208	36.9	204	37.0	204	36.7	209	38.2	825	37.2
	C/T	258	45.8	261	47.4	275	49.5	261	47.7	1055	47.6
	T/T	97	17.2	86	15.6	77	13.8	77	14.1	337	15.2

Allele frequencies for synthetic construct methylenetetrahydrofolate reductase (MTHFR) (C677T)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	341	59.0	340	61.4	336	61.3	330	59.8	1347	60.3
	T	237	41.0	214	38.6	212	38.7	222	40.2	885	39.7
Female	C	333	60.8	329	60.0	347	61.5	349	64.4	1358	61.7
	T	215	39.2	219	40.0	217	38.5	193	35.6	844	38.3
Total	C	674	59.9	669	60.7	683	61.4	679	62.1	2705	61.0
	T	452	40.1	433	39.3	429	38.6	415	37.9	1729	39.0

Genotypic frequencies for NADH/NADPHxp22phox (242C/T(His/Try))

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	242	84.0	242	86.4	222	79.3	234	85.4	940	83.8
	C/T	45	15.6	36	12.9	57	20.4	40	14.6	178	15.9
	T/T	1	0.3	2	0.7	1	0.4	0	0	4	0.4
Female	C/C	233	85.3	225	81.2	229	82.1	232	84.4	919	83.2

Total	C/T	38	13.9	50	18.1	47	16.8	41	14.9	176	15.9
	T/T	2	0.7	2	0.7	3	1.1	2	0.7	9	0.8
	C/C	475	84.7	467	83.8	451	80.7	466	84.9	1859	83.5
	C/T	83	14.8	86	15.4	104	18.6	81	14.8	354	15.9
	T/T	3	0.5	4	0.7	4	0.7	2	0.4	13	0.6

Allele frequencies for NADH/NADPHxp22phox (242C/T (His/Try))

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	529	91.8	520	92.9	501	89.5	508	92.7	2058	91.7
	T	47	8.2	40	7.1	59	10.5	40	7.3	186	8.3
Female	C	504	92.3	500	90.3	505	90.5	505	91.8	2014	91.2
	T	42	7.7	54	9.7	53	9.5	45	8.2	194	8.8
Total	C	1033	92.1	1020	91.6	1006	90.0	1013	92.3	4072	91.5
	T	89	7.9	94	8.4	112	10.0	85	7.7	380	8.5

Genotypic frequencies for nitric oxide synthase 3 (eNOS) G894T (Glu298Asp)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	243	84.1	236	84.0	251	88.7	240	85.4	970	85.5
	G/T	45	15.6	41	14.6	31	11.0	40	14.2	157	13.8
	T/T	1	0.3	4	1.4	1	0.4	1	0.4	7	0.6
Female	G/G	239	85.7	237	84.9	247	86.7	246	88.2	969	86.4
	G/T	38	13.6	42	15.1	37	13.0	31	11.1	148	13.2
	T/T	2	0.7	0	0	1	0.4	2	0.7	5	0.4
Total	G/G	482	84.9	473	84.5	498	87.7	486	86.8	1939	85.9
	G/T	83	14.6	83	14.8	68	12.0	71	12.7	305	13.5
	T/T	3	0.5	4	0.7	2	0.4	3	0.5	12	0.5

Allele frequencies for nitric oxide synthase 3 (eNOS) G894T (Glu298Asp)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	531	91.9	513	91.3	533	94.2	520	92.5	2097	92.5
	T	47	8.1	49	8.7	33	5.8	42	7.5	171	7.5
Female	G	516	92.5	516	92.5	531	93.2	523	93.7	2086	93.0
	T	42	7.5	42	7.5	39	6.8	35	6.3	158	7.0
Total	G	1047	92.2	1029	91.9	1064	93.7	1043	93.1	4183	92.7
	T	89	7.8	91	8.1	72	6.3	77	6.9	329	7.3

Genotypic frequencies for nitric oxide synthase 3 (eNOS) I/D

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	I/I	228	78.6	221	79.8	227	80.2	211	75.9	887	78.6
	I/D	59	20.3	52	18.8	52	18.4	65	23.4	228	20.2
	D/D	3	1.0	4	1.4	4	1.4	2	0.7	13	1.2
Female	I/I	211	76.4	216	78.3	210	73.9	216	78.3	853	76.7
	I/D	62	22.5	55	19.9	68	23.9	54	19.6	239	21.5
	D/D	3	1.1	5	1.8	6	2.1	6	2.2	20	1.8

Total	I/I	439	77.6	437	79.0	437	77.1	427	77.1	1740	77.7
	I/D	121	21.4	107	19.3	120	21.2	119	21.5	467	20.8
	D/D	6	1.1	9	1.6	10	1.8	8	1.4	33	1.5

Allele frequencies for nitric oxide synthase 3 (eNOS) I/D

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	I	515	88.8	494	89.2	506	89.4	487	87.6	2002	88.7
	D	65	11.2	60	10.8	60	10.6	69	12.4	254	11.3
Female	I	484	87.7	487	88.2	488	85.9	486	88.0	1945	87.5
	D	68	12.3	65	11.8	80	14.1	66	12.0	279	12.5
Total	I	999	88.3	981	88.7	994	87.7	973	87.8	3947	88.1
	D	133	11.7	125	11.3	140	12.3	135	12.2	533	11.9

Genotypic frequencies for osteocalcin C298T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T/T	167	58.4	170	61.2	178	64.0	165	60.2	680	60.9
	T/C	105	36.7	94	33.8	90	32.4	91	33.2	380	34.1
	C/C	14	4.9	14	5.0	10	3.6	18	6.6	56	5.0
Female	T/T	178	64.5	156	56.5	187	67.0	180	65.0	701	63.3
	T/C	87	31.5	98	35.5	85	30.5	87	31.4	357	32.2
	C/C	11	4.0	22	8.0	7	2.5	10	3.6	50	4.5
Total	T/T	345	61.4	326	58.8	365	65.5	345	62.6	1381	62.1
	T/C	192	34.2	192	34.7	175	31.4	178	32.3	737	33.1
	C/C	25	4.4	36	6.5	17	3.1	28	5.1	106	4.8

Allele frequencies for osteocalcin C298T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T	439	76.7	434	78.1	446	80.2	421	76.8	1740	78.0
	C	133	23.3	122	21.9	110	19.8	127	23.2	492	22.0
Female	T	443	80.3	410	74.3	459	82.3	447	80.7	1759	79.4
	C	109	19.7	142	25.7	99	17.7	107	19.3	457	20.6
Total	T	882	78.5	844	76.2	905	81.2	868	78.8	3499	78.7
	C	242	21.5	264	23.8	209	18.8	234	21.2	949	21.3

Genotypic frequencies for platelet-activating factor acethylhydase (PAF-AH) G994T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	193	66.6	201	71.3	196	69.8	186	66.7	776	68.6
	G/T	86	29.7	71	25.2	72	25.6	84	30.1	313	27.7
	T/T	11	3.8	10	3.5	13	4.6	9	3.2	43	3.8
Female	G/G	190	68.1	213	76.6	186	65.5	175	62.7	764	68.2
	G/T	83	29.7	51	18.3	89	31.3	93	33.3	316	28.2
	T/T	6	2.2	14	5.0	9	3.2	11	3.9	40	3.6
Total	G/G	383	67.3	414	73.9	382	67.6	361	64.7	1540	68.4
	G/T	169	29.7	122	21.8	161	28.5	177	31.7	629	27.9
	T/T	17	3.0	24	4.3	22	3.9	20	3.6	83	3.7

Allele frequencies for platelet-activating factor acetylhydase (PAF-AH) G994T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	472	81.4	473	83.9	464	82.6	456	81.7	1865	82.4
	T	108	18.6	91	16.1	98	17.4	102	18.3	399	17.6
Female	G	463	83.0	477	85.8	461	81.2	443	79.4	1844	82.3
	T	95	17.0	79	14.2	107	18.8	115	20.6	396	17.7
Total	G	935	82.2	950	84.8	925	81.9	899	80.6	3709	82.3
	T	203	17.8	170	15.2	205	18.1	217	19.4	795	17.7

Genotypic frequencies for paraoxonase (PON1) 192 Gln/Arg

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G/G	132	46.6	120	42.9	119	42.8	122	45.0	493	44.3
	G/A	122	43.1	128	45.7	134	48.2	120	44.3	504	45.3
	A/A	29	10.2	32	11.4	25	9.0	29	10.7	115	10.3
Female	G/G	107	39.2	115	41.8	134	47.9	125	45.3	481	43.6
	G/A	134	49.1	129	46.9	115	41.1	123	44.6	501	45.4
	A/A	32	11.7	31	11.3	31	11.1	28	10.1	122	11.1
Total	G/G	239	43.0	235	42.3	253	45.3	247	45.2	974	44.0
	G/A	256	46.0	257	46.3	249	44.6	243	44.4	1005	45.4
	A/A	61	11.0	63	11.4	56	10.0	57	10.4	237	10.7

Allele frequencies for paraoxonase (PON1) 192 Gln/Arg

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	386	68.2	368	65.7	372	66.9	364	67.2	1490	67.0
	A	180	31.8	192	34.3	184	33.1	178	32.8	734	33.0
Female	G	348	63.7	359	65.3	383	68.4	373	67.6	1463	66.3
	A	198	36.3	191	34.7	177	31.6	179	32.4	745	33.7
Total	G	734	66.0	727	65.5	755	67.7	737	67.4	2953	66.6
	A	378	34.0	383	34.5	361	32.3	357	32.6	1479	33.4

Genotypic frequencies for paraoxonase (PON1) 55 Leu/Met

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T/T	249	87.4	241	86.4	245	87.8	230	83.6	965	86.3
	T/A	34	11.9	36	12.9	32	11.5	42	15.3	144	12.9
	A/A	2	0.7	2	0.7	2	0.7	3	1.1	9	0.8
Female	T/T	241	88.0	230	83.3	243	86.2	242	87.4	956	86.2
	T/A	30	10.9	43	15.6	37	13.1	34	12.3	144	13.0
	A/A	3	1.1	3	1.1	2	0.7	1	0.4	9	0.8
Total	T/T	490	87.7	471	84.9	488	87.0	472	85.5	1921	86.3
	T/A	64	11.4	79	14.2	69	12.3	76	13.8	288	12.9
	A/A	5	0.9	5	0.9	4	0.7	4	0.7	18	0.8

Allele frequencies for paraoxonase (PON1) 55 Leu/Met

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T	532	93.3	518	92.8	522	93.5	502	91.3	2074	92.8
	A	38	6.7	40	7.2	36	6.5	48	8.7	162	7.2
Female	T	512	93.4	503	91.1	523	92.7	518	93.5	2056	92.7
	A	36	6.6	49	8.9	41	7.3	36	6.5	162	7.3
Total	T	1044	93.4	1021	92.0	1045	93.1	1020	92.4	4130	92.7
	A	74	6.6	89	8.0	77	6.9	84	7.6	324	7.3

Genotypic frequencies for paraoxonase (PON2) 311 Cys/Ser

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	189	65.2	177	63.4	182	65.0	173	62.5	721	64.0
	C/G	85	29.3	91	32.6	85	30.4	90	32.5	351	31.2
	G/G	16	5.5	11	3.9	13	4.6	14	5.1	54	4.8
Female	C/C	180	65.5	173	62.5	184	65.5	197	70.9	734	66.1
	C/G	81	29.5	89	32.1	88	31.3	68	24.5	326	29.3
	G/G	14	5.1	15	5.4	9	3.2	13	4.7	51	4.6
Total	C/C	369	65.3	350	62.9	366	65.2	370	66.7	1455	65.0
	C/G	166	29.4	180	32.4	173	30.8	158	28.5	677	30.3
	G/G	30	5.3	26	4.7	22	3.9	27	4.9	105	4.7

Allele frequencies for paraoxonase (PON2) 311 Cys/Ser

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	463	79.8	445	79.7	449	80.2	436	78.7	1793	79.6
	G	117	20.2	113	20.3	111	19.8	118	21.3	459	20.4
Female	C	441	80.2	435	78.5	456	81.1	462	83.1	1794	80.7
	G	109	19.8	119	21.5	106	18.9	94	16.9	428	19.3
Total	C	904	80.0	880	79.1	905	80.7	898	80.9	3587	80.2
	G	226	20.0	232	20.9	217	19.3	212	19.1	887	19.8

Genotypic frequencies for 24kDa protein of complex I CT(Ala29Val)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	103	35.6	110	39.6	108	38.4	114	40.9	435	38.6
	C/T	145	50.2	123	44.2	130	46.3	120	43.0	518	46.0
	T/T	41	14.2	45	16.2	43	15.3	45	16.1	174	15.4
Female	C/C	116	42.5	121	44.0	108	38.6	110	39.9	455	41.2
	C/T	132	48.4	116	42.2	135	48.2	137	49.6	520	47.1
	T/T	25	9.2	38	13.8	37	13.2	29	10.5	129	11.7
Total	C/C	219	39.0	231	41.8	216	38.5	224	40.4	890	39.9
	C/T	277	49.3	239	43.2	265	47.2	257	46.3	1038	46.5
	T/T	66	11.7	83	15.0	80	14.3	74	13.3	303	13.6

Allele frequencies for 24kDa protein of complex I CT(Ala29Val)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%

Male	C	351	60.7	343	61.7	346	61.6	348	62.4	1388	61.6
	T	227	39.3	213	38.3	216	38.4	210	37.6	866	38.4
Female	C	364	66.7	358	65.1	351	62.7	357	64.7	1430	64.8
	T	182	33.3	192	34.9	209	37.3	195	35.3	778	35.2
Total	C	715	63.6	701	63.4	697	62.1	705	63.5	2818	63.2
	T	409	36.4	405	36.6	425	37.9	405	36.5	1644	36.8

Genotypic frequencies for manganese superokide dismutase (SOD2) C47T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T/T	209	72.3	214	76.4	210	75.3	206	74.9	839	74.7
	T/C	75	26.0	59	21.1	64	22.9	60	21.8	258	23.0
	C/C	5	1.7	7	2.5	5	1.8	9	3.3	26	2.3
Female	T/T	207	75.0	206	75.5	229	81.2	217	78.6	859	77.6
	T/C	57	20.7	60	22.0	49	17.4	54	19.6	220	19.9
	C/C	12	4.3	7	2.6	4	1.4	5	1.8	28	2.5
Total	T/T	416	73.6	420	75.9	439	78.3	423	76.8	1698	76.1
	T/C	132	23.4	119	21.5	113	20.1	114	20.7	478	21.4
	C/C	17	3.0	14	2.5	9	1.6	14	2.5	54	2.4

Allele frequencies for manganese superokide dismutase (SOD2) C47T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T	493	85.3	487	87.0	484	86.7	472	85.8	1936	86.2
	C	85	14.7	73	13.0	74	13.3	78	14.2	310	13.8
Female	T	471	85.3	472	86.4	507	89.9	488	88.4	1938	87.5
	C	81	14.7	74	13.6	57	10.1	64	11.6	276	12.5
Total	T	964	85.3	959	86.7	991	88.3	960	87.1	3874	86.9
	C	166	14.7	147	13.3	131	11.7	142	12.9	586	13.1

Genotypic frequencies for transferin C1/C2 (Pro570Ser)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	179	61.9	166	58.9	167	59.2	166	59.3	678	59.8
	C/T	100	34.6	102	36.2	90	31.9	95	33.9	387	34.2
	T/T	10	3.5	14	5.0	25	8.9	19	6.8	68	6.0
Female	C/C	165	59.1	157	56.3	159	56.2	171	61.7	652	58.3
	C/T	96	34.4	99	35.5	107	37.8	90	32.5	392	35.1
	T/T	18	6.5	23	8.2	17	6.0	16	5.8	74	6.6
Total	C/C	344	60.6	323	57.6	326	57.7	337	60.5	1330	59.1
	C/T	196	34.5	201	35.8	197	34.9	185	33.2	779	34.6
	T/T	28	4.9	37	6.6	42	7.4	35	6.3	142	6.3

Allele frequencies for transferin C1/C2 (Pro570Ser)

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	458	79.2	434	77.0	424	75.2	427	76.3	1743	76.9
	T	120	20.8	130	23.0	140	24.8	133	23.8	523	23.1
Female	C	426	76.3	413	74.0	425	75.1	432	78.0	1696	75.8

	T	132	23.7	145	26.0	141	24.9	122	22.0	540	24.2
Total	C	884	77.8	847	75.5	849	75.1	859	77.1	3439	76.4
	T	252	22.2	275	24.5	281	24.9	255	22.9	1063	23.6

Genotypic frequencies for transforming groth factor-beta 1 (TGF-b) T-29C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T/T	85	29.6	94	33.6	59	21.1	66	23.7	304	27.0
	T/C	148	51.6	124	44.3	150	53.8	153	55.0	575	51.2
	C/C	54	18.8	62	22.1	70	25.1	59	21.2	245	21.8
Female	T/T	82	29.5	77	27.7	90	32.3	91	32.7	340	30.5
	T/C	151	54.3	145	52.2	140	50.2	141	50.7	577	51.8
	C/C	45	16.2	56	20.1	49	17.6	46	16.5	196	17.6
Total	T/T	167	29.6	171	30.6	149	26.7	157	28.2	644	28.8
	T/C	299	52.9	269	48.2	290	52.0	294	52.9	1152	51.5
	C/C	99	17.5	118	21.1	119	21.3	105	18.9	441	19.7

Allele frequencies for transforming groth factor-beta 1 (TGF-b) T-29C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T	318	55.4	312	55.7	268	48.0	285	51.3	1183	52.6
	C	256	44.6	248	44.3	290	52.0	271	48.7	1065	47.4
Female	T	315	56.7	299	53.8	320	57.3	323	58.1	1257	56.5
	C	241	43.3	257	46.2	238	42.7	233	41.9	969	43.5
Total	T	633	56.0	611	54.7	588	52.7	608	54.7	2440	54.5
	C	497	44.0	505	45.3	528	47.3	504	45.3	2034	45.5

Genotypic frequencies for transforming groth factor-beta 1 (TGF-b) C-509T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	79	27.1	88	31.7	54	19.2	63	22.6	284	25.2
	C/T	142	48.8	124	44.6	151	53.7	151	54.1	568	50.3
	T/T	70	24.1	66	23.7	76	27.0	65	23.3	277	24.5
Female	C/C	68	24.5	67	24.1	77	27.3	72	26.0	284	25.5
	C/T	148	53.2	133	47.8	135	47.9	139	50.2	555	49.8
	T/T	62	22.3	78	28.1	70	24.8	66	23.8	276	24.8
Total	C/C	147	25.8	155	27.9	131	23.3	135	24.3	568	25.3
	C/T	290	51.0	257	46.2	286	50.8	290	52.2	1123	50.0
	T/T	132	23.2	144	25.9	146	25.9	131	23.6	553	24.6

Allele frequencies for transforming groth factor-beta 1 (TGF-b) C-509T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	300	51.5	300	54.0	259	46.1	277	49.6	1136	50.3
	T	282	48.5	256	46.0	303	53.9	281	50.4	1122	49.7
Female	C	284	51.1	267	48.0	289	51.2	283	51.1	1123	50.4
	T	272	48.9	289	52.0	275	48.8	271	48.9	1107	49.6
Total	C	584	51.3	567	51.0	548	48.7	560	50.4	2259	50.3

T	554	48.7	545	49.0	578	51.3	552	49.6	2229	49.7
---	-----	------	-----	------	-----	------	-----	------	------	------

Genotypic frequencies for tumor necrosis factor- α (TNFA) C-863A

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	203	70.0	201	71.5	211	75.1	199	71.1	814	71.9
	C/A	64	22.1	60	21.4	49	17.4	63	22.5	236	20.8
	A/A	23	7.9	20	7.1	21	7.5	18	6.4	82	7.2
Female	C/C	203	73.6	197	71.1	200	71.2	201	73.6	801	72.4
	C/A	48	17.4	56	20.2	59	21.0	50	18.3	213	19.2
	A/A	25	9.1	24	8.7	22	7.8	22	8.1	93	8.4
Total	C/C	406	71.7	398	71.3	411	73.1	400	72.3	1615	72.1
	C/A	112	19.8	116	20.8	108	19.2	113	20.4	449	20.1
	A/A	48	8.5	44	7.9	43	7.7	40	7.2	175	7.8

Allele frequencies for tumor necrosis factor- α (TNFA) C-863A

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	470	81.0	462	82.2	471	83.8	461	82.3	1864	82.3
	A	110	19.0	100	17.8	91	16.2	99	17.7	400	17.7
Female	C	454	82.2	450	81.2	459	81.7	452	82.8	1815	82.0
	A	98	17.8	104	18.8	103	18.3	94	17.2	399	18.0
Total	C	924	81.6	912	81.7	930	82.7	913	82.5	3679	82.2
	A	208	18.4	204	18.3	194	17.3	193	17.5	799	17.8

Genotypic frequencies for translocase of the outer mitochondrial membrane 40 (TOM40) T988C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T/T	152	53.3	148	53.0	147	52.9	137	50.7	584	52.5
	T/C	106	37.2	110	39.4	107	38.5	107	39.6	430	38.7
	C/C	27	9.5	21	7.5	24	8.6	26	9.6	98	8.8
Female	T/T	140	52.4	141	51.1	153	54.6	130	47.3	564	51.4
	T/C	106	39.7	108	39.1	104	37.1	118	42.9	436	39.7
	C/C	21	7.9	27	9.8	23	8.2	27	9.8	98	8.9
Total	T/T	292	52.9	289	52.1	300	53.8	267	49.0	1148	51.9
	T/C	212	38.4	218	39.3	211	37.8	225	41.3	866	39.2
	C/C	48	8.7	48	8.6	47	8.4	53	9.7	196	8.9

Allele frequencies for translocase of the outer mitochondrial membrane 40 (TOM40) T988C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	T	410	71.9	406	72.8	401	72.1	381	70.6	1598	71.9
	C	160	28.1	152	27.2	155	27.9	159	29.4	626	28.1
Female	T	386	72.3	390	70.7	410	73.2	378	68.7	1564	71.2
	C	148	27.7	162	29.3	150	26.8	172	31.3	632	28.8
Total	T	796	72.1	796	71.7	811	72.7	759	69.6	3162	71.5
	C	308	27.9	314	28.3	305	27.3	331	30.4	1258	28.5

Genotypic frequencies for uncoupling protein 1 (UCP1) A-3826G

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A/A	72	24.9	72	25.6	73	26.1	65	23.4	282	25.0
	A/G	162	56.1	156	55.5	135	48.2	146	52.5	599	53.1
	G/G	55	19.0	53	18.9	72	25.7	67	24.1	247	21.9
Female	A/A	76	27.5	80	29.0	70	24.7	74	26.8	300	27.0
	A/G	141	51.1	123	44.6	142	50.2	140	50.7	546	49.1
	G/G	59	21.4	73	26.4	71	25.1	62	22.5	265	23.9
Total	A/A	148	26.2	152	27.3	143	25.4	139	25.1	582	26.0
	A/G	303	53.6	279	50.1	277	49.2	286	51.6	1145	51.1
	G/G	114	20.2	126	22.6	143	25.4	129	23.3	512	22.9

Allele frequencies for uncoupling protein 1 (UCP1) A-3826G

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	A	306	52.9	300	53.4	281	50.2	276	49.6	1163	51.6
	G	272	47.1	262	46.6	279	49.8	280	50.4	1093	48.4
Female	A	293	53.1	283	51.3	282	49.8	288	52.2	1146	51.6
	G	259	46.9	269	48.7	284	50.2	264	47.8	1076	48.4
Total	A	599	53.0	583	52.3	563	50.0	564	50.9	2309	51.6
	G	531	47.0	531	47.7	563	50.0	544	49.1	2169	48.4

Genotypic frequencies for vascular endothelial growth factor (VEGF) C936T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C/C	165	57.9	170	61.4	168	61.5	153	56.5	656	59.3
	C/T	109	38.2	94	33.9	96	35.2	102	37.6	401	36.3
	T/T	11	3.9	13	4.7	9	3.3	16	5.9	49	4.4
Female	C/C	154	56.4	168	61.1	158	56.6	176	64.5	656	59.6
	C/T	95	34.8	98	35.6	108	38.7	88	32.2	389	35.4
	T/T	24	8.8	9	3.3	13	4.7	9	3.3	55	5.0
Total	C/C	319	57.2	338	61.2	326	59.1	329	60.5	1312	59.5
	C/T	204	36.6	192	34.8	204	37.0	190	34.9	790	35.8
	T/T	35	6.3	22	4.0	22	4.0	25	4.6	104	4.7

Allele frequencies for vascular endothelial growth factor (VEGF) C936T

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	C	439	77.0	434	78.3	432	79.1	408	75.3	1713	77.4
	T	131	23.0	120	21.7	114	20.9	134	24.7	499	22.6
Female	C	403	73.8	434	78.9	424	76.0	440	80.6	1701	77.3
	T	143	26.2	116	21.1	134	24.0	106	19.4	499	22.7
Total	C	842	75.4	868	78.6	856	77.5	848	77.9	3414	77.4
	T	274	24.6	236	21.4	248	22.5	240	22.1	998	22.6

Genotypic frequencies for vascular endothelial growth factor (VEGF) G405C

	40 - 49yr	50 - 59yr	60 - 69yr	70 - 79yr	Total
--	-----------	-----------	-----------	-----------	-------

		N	%	N	%	N	%	N	%	N	%
Male	G/G	281	100.0	271	100.0	270	100.0	277	100.0	1099	100.0
Female	G/G	265	100.0	271	100.0	275	100.0	270	100.0	1081	100.0
Total	G/G	546	100.0	542	100.0	545	100.0	547	100.0	2180	100.0

Allele frequencies for vascular endothelial growth factor (VEGF) G405C

		40 – 49yr		50 – 59yr		60 – 69yr		70 – 79yr		Total	
		N	%	N	%	N	%	N	%	N	%
Male	G	562	100.0	542	100.0	540	100.0	554	100.0	2198	100.0
Female	G	530	100.0	542	100.0	550	100.0	540	100.0	2162	100.0
Total	G	1092	100.0	1084	100.0	1090	100.0	1094	100.0	4360	100.0