

Supplementary Material- *online only*

Table 1a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of APOA1-MspI-RelLP 628 A>G polymorphism in the three age groups in females.

	Age Group							
Genotype*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
PP	198	0.600 ± 0.027	69	0.663 ± 0.046	53	0.609 ± 0.052	320	0.614 ± 0.021
AP	114	0.345 ± 0.026	31	0.298 ± 0.045	31	0.356 ± 0.051	176	0.338 ± 0.021
AA	18	0.055 ± 0.013	4	0.038 ± 0.019	3	0.034 ± 0.020	25	0.048 ± 0.009

*A/P denotes Absence/Presence of the restriction site.

Table 1b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of APOA1-MspI-RelLP 628 A>G polymorphism in the three age groups in females

	Age Group							
Allele *	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
P	510	0.773 ± 0.016	169	0.813 ± 0.027	137	0.787 ± 0.031	816	0.783 ± 0.013
A	150	0.227 ± 0.016	39	0.188 ± 0.027	37	0.213 ± 0.031	226	0.217 ± 0.013

*A/P denotes Absence/Presence of the restriction site.

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 0.090, df = 1, p = 0.7642
- Group 2: Chi-square = 0.049, df = 1, p = 0.8248
- Group 3: Chi-square = 0.358, df = 1, p = 0.5496

Table 2a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of APOA1-MspI-RelLP 628 A>G polymorphism in the three age groups in males.

	Age Group							
Genotype*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
PP	105	0.475 ± 0.034	74	0.617 ± 0.040	75	0.682 ± 0.044	254	0.563 ± 0.023
AP	97	0.439 ± 0.033	44	0.367 ± 0.040	30	0.273 ± 0.042	171	0.379 ± 0.023
AA	19	0.086 ± 0.019	2	0.017 ± 0.012	5	0.045 ± 0.020	26	0.058 ± 0.011

*A/P denotes Absence/Presence of the restriction site.

Table 2b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of APOA1-MspI-RelLP 628 A>G polymorphism in the three age groups in females

	Age Group							
Allele*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
P	307	0.695 ± 0.022	192	0.800 ± 0.026	180	0.818 ± 0.026	679	0.753 ± 0.014
A	135	0.305 ± 0.022	48	0.200 ± 0.026	40	0.182 ± 0.026	223	0.247 ± 0.014

*A/P denotes Absence/Presence of the restriction site.

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 0.263, df = 1, p = 0.6081
- Group 2: Chi-square = 2.552, df = 1, p = 0.1102
- Group 3: Chi-square = 0.764, df = 1, p = 0.3821

Table 3a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of APOA4-HincII-RelLP 1033 A>G polymorphism for three age groups in females.

	Age Group							
Genotype*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
PP	241	0.730 ± 0.024	84	0.808 ± 0.039	63	0.724 ± 0.048	388	0.745 ± 0.019
AP	84	0.255 ± 0.024	18	0.173 ± 0.037	23	0.264 ± 0.047	125	0.240 ± 0.019
AA	5	0.015 ± 0.007	2	0.019 ± 0.013	1	0.011 ± 0.011	8	0.015 ± 0.005

*A/P denotes Absence/Presence of the restriction site.

Table 3b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of APOA4-HincII-RelLP 1033 A>G polymorphism for three age groups in females.

	Age Group							
Allele*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
P	566	0.858 ± 0.014	186	0.894 ± 0.021	149	0.856 ± 0.027	901	0.865 ± 0.011
A	94	0.142 ± 0.014	22	0.106 ± 0.021	25	0.144 ± 0.027	141	0.135 ± 0.011

*A/P denotes Absence/Presence of the restriction site.

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 0.583, df = 1, p = 0.4451
- Group 2: Chi-square = 0.752, df = 1, p = 0.3858
- Group 3: Chi-square = 0.481, df = 1, p = 0.4880

Table 4a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of APOA4-HincII-RelLP 1033 A>G polymorphism for three age groups in males.

	Age Group							
Genotype*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
PP	158	0.715 ± 0.030	88	0.733 ± 0.040	42	0.382 ± 0.046	288	0.639 ± 0.023
AP	61	0.276 ± 0.030	30	0.250 ± 0.040	53	0.482 ± 0.048	144	0.319 ± 0.022
AA	2	0.009 ± 0.006	2	0.017 ± 0.012	15	0.136 ± 0.033	19	0.042 ± 0.009

*A/P denotes Absence/Presence of the restriction site.

Table 4b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of APOA4-HincII-RelLP 1033 A>G polymorphism for three age groups in males.

	Age Group							
Allele*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
P	377	0.853 ± 0.017	206	0.858 ± 0.023	137	0.623 ± 0.033	720	0.798 ± 0.013
A	65	0.147 ± 0.017	34	0.142 ± 0.023	83	0.377 ± 0.033	182	0.202 ± 0.013

*A/P denotes Absence/Presence of the restriction site.

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 2.222, df = 1, p = 0.1361
- Group 2: Chi-square = 0.094, df = 1, p = 0.7592
- Group 3: Chi-square = 0.071, df = 1, p = 0.7899

Table 5a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of 3'APOB-VNTR polymorphism for three age groups in females.

	Age Group							
Genotype*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
SS	15	0.045 ± 0.011	4	0.038 ± 0.019	1	0.011 ± 0.011	20	0.038 ± 0.008
SM	83	0.252 ± 0.024	25	0.240 ± 0.042	18	0.207 ± 0.043	126	0.242 ± 0.019
SL	18	0.055 ± 0.013	6	0.058 ± 0.023	6	0.069 ± 0.027	30	0.058 ± 0.010
MM	135	0.409 ± 0.027	50	0.481 ± 0.049	39	0.448 ± 0.053	224	0.430 ± 0.022
ML	67	0.203 ± 0.022	16	0.154 ± 0.035	21	0.241 ± 0.046	104	0.200 ± 0.018
LL	12	0.036 ± 0.010	3	0.029 ± 0.016	2	0.023 ± 0.016	17	0.033 ± 0.008

*Alleles: S < 35 repeats; M 35–39 repeats; L > 39 repeats.

Table 5b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of 3'APOB-VNTR polymorphism for three age groups in females.

	Age Group							
Allele*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
S	131	0.198 ± 0.016	39	0.188 ± 0.027	26	0.149 ± 0.027	196	0.188 ± 0.012
M	420	0.636 ± 0.019	141	0.678 ± 0.032	117	0.672 ± 0.036	678	0.651 ± 0.015
L	109	0.165 ± 0.014	28	0.135 ± 0.024	31	0.178 ± 0.029	168	0.161 ± 0.011

*Alleles: S < 35 repeats; M 35–39 repeats; L > 39 repeats.

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 2.014, df = 3, p = 0.5695
- Group 2: Chi-square = 1.448, df = 3, p = 0.6943
- Group 3: Chi-square = 1.091, df = 3, p = 0.7792

Table 6a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of 3'APOB-VNTR polymorphism for three age groups in males.

	Age Group							
Genotype*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
SS	11	0.050 ± 0.015	3	0.025 ± 0.014	7	0.064 ± 0.023	21	0.047 ± 0.010
SM	58	0.262 ± 0.030	27	0.225 ± 0.038	33	0.300 ± 0.044	118	0.262 ± 0.021
SL	8	0.036 ± 0.013	7	0.058 ± 0.021	6	0.055 ± 0.022	21	0.047 ± 0.010
MM	84	0.380 ± 0.033	47	0.392 ± 0.045	33	0.300 ± 0.044	164	0.364 ± 0.023
ML	52	0.235 ± 0.029	28	0.233 ± 0.039	28	0.255 ± 0.042	108	0.239 ± 0.020
LL	8	0.036 ± 0.013	8	0.067 ± 0.023	3	0.027 ± 0.016	19	0.042 ± 0.009

*Alleles: S < 35 repeats; M 35–39 repeats; L > 39 repeats.

Table 6b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of 3'APOB-VNTR polymorphism for three age groups in males.

	Age Group							
Allele*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
S	88	0.199 ± 0.019	40	0.167 ± 0.024	53	0.241 ± 0.029	181	0.201 ± 0.013
M	278	0.629 ± 0.023	149	0.621 ± 0.031	127	0.577 ± 0.033	554	0.614 ± 0.016
L	76	0.172 ± 0.018	51	0.213 ± 0.026	40	0.182 ± 0.026	167	0.185 ± 0.013

*Alleles: S < 35 repeats; M 35–39 repeats; L > 39 repeats.

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 4.893, df = 3, p = 0.1798
- Group 2: Chi-square = 2.152, df = 3, p = 0.5415
- Group 3: Chi-square = 3.140, df = 3, p = 0.3705

Table 7a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of APOE ϵ 2, ϵ 3, ϵ 4 alleles for three age groups in females.

	Age Group							
Genotype	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
ε2 ε2	2	0.006 ± 0.004	0	0.000	1	0.011 ± 0.011	3	0.006 ± 0.003
ε2 ε3	36	0.109 ± 0.017	10	0.096 ± 0.029	14	0.161 ± 0.039	60	0.115 ± 0.014
ε2 ε4	6	0.018 ± 0.007	1	0.010 ± 0.010	1	0.011 ± 0.011	8	0.015 ± 0.005
ε3 ε3	234	0.709 ± 0.025	78	0.750 ± 0.042	67	0.770 ± 0.045	379	0.727 ± 0.020
ε3 ε4	47	0.142 ± 0.019	15	0.144 ± 0.034	4	0.046 ± 0.022	66	0.127 ± 0.015
ε4 ε4	5	0.015 ± 0.007	0	0.000	0	0.000	5	0.010 ± 0.004

Table 7b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of APOE ϵ 2, ϵ 3, ϵ 4 alleles for three age groups in females.

	Age Group							
Allele	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
ε2	46	0.070 ± 0.010	11	0.053 ± 0.016	17	0.098 ± 0.023	74	0.071 ± 0.008
ε3	551	0.835 ± 0.014	181	0.870 ± 0.023	152	0.874 ± 0.025	884	0.848 ± 0.011
ε4	63	0.095 ± 0.011	16	0.077 ± 0.018	5	0.029 ± 0.013	84	0.081 ± 0.008

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square =2.824, df = 3, p = 0.4196
- Group 2: Chi-square =1.044, df = 3, p = 0.7906
- Group 3: Chi-square =0.727, df = 3, p = 0.8668

Table 8a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of APOE ϵ 2, ϵ 3, ϵ 4 alleles for three age groups in males.

	Age Group							
Genotype	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
ε2 ε2	0	0.000	0	0.000	0	0.000	0	0.000
ε2 ε3	26	0.118 ± 0.022	21	0.175 ± 0.035	19	0.173 ± 0.036	66	0.146 ± 0.017
ε2 ε4	9	0.041 ± 0.013	5	0.042 ± 0.018	1	0.009 ± 0.009	15	0.033 ± 0.008
ε3 ε3	145	0.656 ± 0.032	77	0.642 ± 0.044	78	0.709 ± 0.043	300	0.665 ± 0.022
ε3 ε4	40	0.181 ± 0.026	17	0.142 ± 0.032	12	0.109 ± 0.030	69	0.153 ± 0.017
ε4 ε4	1	0.005 ± 0.005	0	0.000	0	0.000	1	0.002 ± 0.002

Table 8b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of APOE ϵ 2, ϵ 3, ϵ 4 alleles for three age groups in males.

	Age Group							
Allele	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
ε2	35	0.079 ± 0.013	26	0.108 ± 0.020	20	0.091 ± 0.019	81	0.090 ± 0.010
ε3	356	0.805 ± 0.019	192	0.800 ± 0.026	187	0.850 ± 0.024	735	0.815 ± 0.013
ε4	51	0.115 ± 0.015	22	0.092 ± 0.019	13	0.059 ± 0.016	86	0.095 ± 0.010

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 8.981, df = 3, p = 0.0295
- Group 2: Chi-square = 5.312, df = 3, p = 0.1503
- Group 3: Chi-square = 1.665, df = 3, p = 0.6447

Table 9a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of HSP70-1 - 110A/C polymorphism for three age groups in females.

	Age Group							
Genotype	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
AA	141	0.427 ± 0.027	30	0.288 ± 0.044	28	0.322 ± 0.050	199	0.382 ± 0.021
AC	152	0.461 ± 0.027	60	0.577 ± 0.048	45	0.517 ± 0.054	257	0.493 ± 0.022
CC	37	0.112 ± 0.017	14	0.135 ± 0.033	14	0.161 ± 0.039	65	0.125 ± 0.014

Table 9b: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of HSP70-1 - 110A/C polymorphism for three age groups in females.

	Age Group							
Allele	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
A	434	0.658 ± 0.018	120	0.577 ± 0.034	101	0.580 ± 0.037	655	0.629 ± 0.015
C	226	0.342 ± 0.018	88	0.423 ± 0.034	73	0.420 ± 0.037	387	0.371 ± 0.015

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 0.171, df = 1, p = 0.6792
- Group 2: Chi-square = 3.438, df = 1, p = 0.0637
- Group 3: Chi-square = 0.334, df = 1, p = 0.5633

Table 10a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of HSP70-1-110A/C polymorphism for three age groups in males.

	Age Group							
Genotype	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
AA	84	0.380 ± 0.033	45	0.375 ± 0.044	40	0.364 ± 0.046	169	0.375 ± 0.023
AC	99	0.448 ± 0.033	62	0.517 ± 0.046	54	0.491 ± 0.048	215	0.477 ± 0.024
CC	38	0.172 ± 0.025	13	0.108 ± 0.028	16	0.145 ± 0.034	67	0.149 ± 0.017

Table 10b: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of HSP70-1-110A/C polymorphism for three age groups in males.

	Age Group							
Allele	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
A	267	0.604 ± 0.023	152	0.633 ± 0.031	134	0.609 ± 0.033	553	0.613 ± 0.016
C	175	0.396 ± 0.023	88	0.367 ± 0.031	86	0.391 ± 0.033	349	0.387 ± 0.016

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 0.891, df = 1, p = 0.3452
- Group 2: Chi-square = 1.517, df = 1, p = 0.2181
- Group 3: Chi-square = 0.105, df = 1, p = 0.7459

Table 11a: Absolute (Abs) and relative(Rel) genotypic frequencies \pm standard errors (SE) of HSP90- α -HinfI-RelLP 888 C>T polymorphism for three age groups in females.

	Age Group							
Genotype*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
PP	253	0.767 ± 0.023	75	0.721 ± 0.044	71	0.816 ± 0.042	399	0.766 ± 0.019
AP	73	0.221 ± 0.023	28	0.269 ± 0.043	15	0.172 ± 0.040	116	0.223 ± 0.018
AA	4	0.012 ± 0.006	1	0.010 ± 0.010	1	0.011 ± 0.011	6	0.012 ± 0.005

*A/P denotes Absence/Presence of the restriction site.

Table 11b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of HSP90- α -HinfI-RelLP 888 C>T polymorphism for three age groups in females.

	Age Group							
Allele*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
P	579	0.877 ± 0.013	178	0.856 ± 0.024	157	0.902 ± 0.023	914	0.877 ± 0.010
A	81	0.123 ± 0.013	30	0.144 ± 0.024	17	0.098 ± 0.023	128	0.123 ± 0.010

*A/P denotes Absence/Presence of the restriction site.

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 0.246, df = 1, p = 0.6199
- Group 2: Chi-square = 0.854, df = 1, p = 0.3544
- Group 3: Chi-square = 0.043, df = 1, p = 0.8357

Table 12a: Absolute (Abs) and relative(Rel) genotypic frequencies \pm standard errors (SE) of HSP90- α -HinfI-RelLP 888 C>T polymorphism for three age groups in males.

	Age Group							
Genotype*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
PP	167	0.756 ± 0.029	96	0.800 ± 0.037	91	0.827 ± 0.036	354	0.785 ± 0.019
AP	53	0.240 ± 0.029	24	0.200 ± 0.037	19	0.173 ± 0.036	96	0.213 ± 0.019
AA	1	0.005 ± 0.005	0	0.000	0	0.000	1	0.002 ± 0.002

*A/P denotes Absence/Presence of the restriction site.

Table 12b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of HSP90- α -HinfI-RelLP 888 C>T polymorphism for three age groups in males.

	Age Group							
Allele*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
P	387	0.876 ± 0.016	216	0.900 ± 0.019	201	0.914 ± 0.019	804	0.891 ± 0.010
A	55	0.124 ± 0.016	24	0.100 ± 0.019	19	0.086 ± 0.019	98	0.109 ± 0.010

*A/P denotes Absence/Presence of the restriction site.

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square =2.236, df = 1, p = 0.1348
- Group 2: Chi-square =1.481, df = 1, p = 0.2236
- Group 3: Chi-square =0.983, df = 1, p = 0.3215

Table 13a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of HSP90-Beta 5976 A>C polymorphism for three age groups in females.

	Age Group							
Genotype	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
AA	238	0.721 ± 0.025	77	0.740 ± 0.043	74	0.851 ± 0.038	389	0.747 ± 0.019
AC	86	0.261 ± 0.024	24	0.231 ± 0.041	11	0.126 ± 0.036	121	0.232 ± 0.018
CC	6	0.018 ± 0.007	3	0.029 ± 0.016	2	0.023 ± 0.016	11	0.021 ± 0.006

Table 13b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of HSP90-Beta 5976 A>C polymorphism for three age groups in females.

	Age Group							
Allele	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
A	562	0.852 ± 0.014	178	0.856 ± 0.024	159	0.914 ± 0.021	899	0.863 ± 0.011
C	98	0.148 ± 0.014	30	0.144 ± 0.024	15	0.086 ± 0.021	143	0.137 ± 0.011

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 0.309, df = 1, p = 0.5783
- Group 2: Chi-square = 0.442, df = 1, p = 0.5062
- Group 3: Chi-square = 3.393, df = 1, p = 0.0655

Table 14a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of HSP90-Beta 5976 A>C polymorphism for three age groups in males.

	Age Group							
Genotype	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
AA	167	0.756 ± 0.029	92	0.767 ± 0.039	77	0.700 ± 0.044	336	0.745 ± 0.021
AC	52	0.235 ± 0.029	23	0.192 ± 0.036	33	0.300 ± 0.044	108	0.239 ± 0.020
CC	2	0.009 ± 0.006	5	0.042 ± 0.018	0	0.000	7	0.016 ± 0.006

Table 14b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of HSP90-Beta 5976 A>C polymorphism for three age groups in males.

	Age Group							
Allele	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
A	386	0.873 ± 0.016	207	0.863 ± 0.022	187	0.850 ± 0.024	780	0.865 ± 0.011
C	56	0.127 ± 0.016	33	0.138 ± 0.022	33	0.150 ± 0.024	122	0.135 ± 0.011

Test for Hardy-Weinberg equilibrium:

- Group 1: Chi-square = 0.885, df = 1, p = 0.3468
- Group 2: Chi-square = 4.420, df = 1, p = 0.0355
- Group 3: Chi-square = 3.426, df = 1, p = 0.0642

Table 15a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of SIRT3 VNTR intron 5 polymorphism for three age groups in females.

	Age Group							
Genotype*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
1 1	65	0.197 ± 0.022	21	0.202 ± 0.039	19	0.218 ± 0.044	105	0.202 ± 0.018
1 2	24	0.073 ± 0.014	13	0.125 ± 0.032	8	0.092 ± 0.031	45	0.086 ± 0.012
1 3	62	0.188 ± 0.022	15	0.144 ± 0.034	14	0.161 ± 0.039	91	0.175 ± 0.017
1 4	74	0.224 ± 0.023	20	0.192 ± 0.039	20	0.230 ± 0.045	114	0.219 ± 0.018
1 5	1	0.003 ± 0.003	1	0.010 ± 0.010	0	0.000	2	0.004 ± 0.003
1 6	3	0.009 ± 0.005	1	0.010 ± 0.010	0	0.000	4	0.008 ± 0.004
1 7	0	0.000	1	0.010 ± 0.010	0	0.000	1	0.002 ± 0.002
2 2	2	0.006 ± 0.004	1	0.010 ± 0.010	3	0.034 ± 0.020	6	0.012 ± 0.005
2 3	11	0.033 ± 0.010	5	0.048 ± 0.021	2	0.023 ± 0.016	18	0.035 ± 0.008
2 4	17	0.052 ± 0.012	4	0.038 ± 0.019	1	0.011 ± 0.011	22	0.042 ± 0.009
2 5	0	0.000	1	0.010 ± 0.010	0	0.000	1	0.002 ± 0.002
2 6	0	0.000	1	0.010 ± 0.010	0	0.000	1	0.002 ± 0.002
3 3	16	0.048 ± 0.012	6	0.058 ± 0.023	5	0.057 ± 0.025	27	0.052 ± 0.010
3 4	28	0.085 ± 0.015	7	0.067 ± 0.025	7	0.080 ± 0.029	42	0.081 ± 0.012
3 5	1	0.003 ± 0.003	0	0.000	0	0.000	1	0.002 ± 0.002
3 6	0	0.000	1	0.010 ± 0.010	0	0.000	1	0.002 ± 0.002
4 4	26	0.079 ± 0.015	5	0.048 ± 0.021	6	0.069 ± 0.027	37	0.071 ± 0.001
4 5	0	0.000	0	0.000	2	0.023 ± 0.016	2	0.004 ± 0.003
4 6	0	0.000	1	0.010 ± 0.010	0	0.000	1	0.002 ± 0.002

*Allele nomenclature refers to the repeat number.

Table 15b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of SIRT3 VNTR intron 5 polymorphism for three age groups in females.

	Age Group							
Allele*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
1	294	0.445 ± 0.019	93	0.447 ± 0.034	80	0.460 ± 0.038	467	0.448 ± 0.015
2	56	0.085 ± 0.011	26	0.125 ± 0.023	17	0.098 ± 0.023	99	0.095 ± 0.009
3	134	0.203 ± 0.016	40	0.192 ± 0.027	33	0.190 ± 0.030	207	0.199 ± 0.012
4	171	0.259 ± 0.017	42	0.202 ± 0.028	42	0.241 ± 0.032	255	0.245 ± 0.013
5	2	0.003 ± 0.002	2	0.010 ± 0.007	2	0.011 ± 0.008	6	0.006 ± 0.002
6	3	0.005 ± 0.003	4	0.019 ± 0.010	0	0.000	7	0.007 ± 0.003
7	0	0.000	1	0.005 ± 0.005	0	0.000	1	0.001 ± 0.001

*Allele nomenclature refers to the repeat number.

Test for Hardy-Weinberg equilibrium (5000 permutations):

- Group 1: $p = 0.6672$
- Group 2: $p = 0.9616$
- Group 3: $p = 0.1170$

Table 16a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of SIRT3 VNTR intron 5 polymorphism for three age groups in males.

	Age Group							
Genotype*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
1 1	33	0.149 ± 0.024	16	0.133 ± 0.031	18	0.164 ± 0.035	67	0.149 ± 0.017
1 2	27	0.122 ± 0.022	12	0.100 ± 0.027	7	0.064 ± 0.023	46	0.102 ± 0.014
1 3	36	0.163 ± 0.025	12	0.100 ± 0.027	19	0.173 ± 0.036	67	0.149 ± 0.017
1 4	48	0.217 ± 0.028	28	0.233 ± 0.039	27	0.245 ± 0.041	103	0.228 ± 0.020
1 5	0	0.000	1	0.008 ± 0.008	1	0.009 ± 0.009	2	0.004 ± 0.003
2 2	5	0.023 ± 0.010	3	0.025 ± 0.014	0	0.000	8	0.018 ± 0.006
2 3	8	0.036 ± 0.013	5	0.042 ± 0.018	0	0.000	13	0.029 ± 0.008
2 4	14	0.063 ± 0.016	8	0.067 ± 0.023	4	0.036 ± 0.018	26	0.058 ± 0.011
2 5	1	0.005 ± 0.005	0	0.000	0	0.000	1	0.002 ± 0.002
3 3	15	0.068 ± 0.017	7	0.058 ± 0.021	5	0.045 ± 0.020	27	0.060 ± 0.011
3 4	19	0.086 ± 0.019	19	0.158 ± 0.033	14	0.127 ± 0.032	52	0.115 ± 0.015
3 5	1	0.005 ± 0.005	0	0.000	2	0.018 ± 0.013	3	0.007 ± 0.004
4 4	13	0.059 ± 0.016	9	0.075 ± 0.024	11	0.100 ± 0.029	33	0.073 ± 0.012
4 5	1	0.005 ± 0.005	0	0.000	1	0.009 ± 0.009	2	0.004 ± 0.003
4 6	0	0.000	0	0.000	1	0.009 ± 0.009	1	0.002 ± 0.002

*Allele nomenclature refers to the repeat number.

Table 16b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of SIRT3 VNTR intron 5 polymorphism for three age groups in males.

	Age Group							
Allele*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
1	177	0.400 ± 0.023	85	0.354 ± 0.031	90	0.409 ± 0.033	352	0.390 ± 0.016
2	60	0.136 ± 0.016	31	0.129 ± 0.022	11	0.050 ± 0.015	102	0.113 ± 0.011
3	94	0.213 ± 0.019	50	0.208 ± 0.026	45	0.205 ± 0.027	189	0.210 ± 0.014
4	108	0.244 ± 0.020	73	0.304 ± 0.030	69	0.314 ± 0.031	250	0.277 ± 0.015
5	3	0.007 ± 0.004	1	0.004 ± 0.004	4	0.018 ± 0.009	8	0.009 ± 0.003
6	0	0.000	0	0.000	1	0.005 ± 0.005	1	0.001 ± 0.001

*Allele nomenclature refers to the repeat number.

Test for Hardy-Weinberg equilibrium (5000 permutations):

- Group 1: $p = 0.4848$
- Group 2: $p = 0.5512$
- Group 3: $p = 0.4850$

Table 17a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of human tyrosine (HUMTHO.1) STR polymorphism for three age groups in females.

	Age Group							
Genotype	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
6 6	24	0.073 ± 0.014	6	0.058 ± 0.023	8	0.092 ± 0.031	38	0.073 ± 0.011
6 7	29	0.088 ± 0.016	11	0.106 ± 0.030	6	0.069 ± 0.027	46	0.088 ± 0.012
6 8	35	0.106 ± 0.017	3	0.029 ± 0.016	9	0.103 ± 0.033	47	0.090 ± 0.013
6 9	43	0.130 ± 0.019	16	0.154 ± 0.035	10	0.115 ± 0.034	69	0.132 ± 0.015
6 10	38	0.115 ± 0.018	13	0.125 ± 0.032	12	0.138 ± 0.037	63	0.121 ± 0.014
6 10*	3	0.009 ± 0.005	0	0.000	0	0.000	3	0.006 ± 0.003
7 7	7	0.021 ± 0.008	2	0.019 ± 0.013	3	0.034 ± 0.020	12	0.023 ± 0.007
7 8	19	0.058 ± 0.013	4	0.038 ± 0.019	3	0.034 ± 0.020	26	0.050 ± 0.010
7 9	14	0.042 ± 0.011	10	0.096 ± 0.029	7	0.080 ± 0.029	31	0.060 ± 0.010
7 10	26	0.079 ± 0.015	5	0.048 ± 0.021	3	0.034 ± 0.020	34	0.065 ± 0.011
7 10*	0	0.000	0	0.000	1	0.011 ± 0.011	1	0.002 ± 0.002
8 8	5	0.015 ± 0.007	1	0.010 ± 0.010	0	0.000	6	0.012 ± 0.005
8 9	16	0.048 ± 0.012	4	0.038 ± 0.019	4	0.046 ± 0.022	24	0.046 ± 0.009
8 10	18	0.055 ± 0.013	8	0.077 ± 0.026	3	0.034 ± 0.020	29	0.056 ± 0.010
8 10*	2	0.006 ± 0.004	0	0.000	2	0.023 ± 0.016	4	0.008 ± 0.004
9 9	9	0.027 ± 0.009	2	0.019 ± 0.013	1	0.011 ± 0.011	12	0.023 ± 0.007
9 10	29	0.088 ± 0.016	15	0.144 ± 0.034	10	0.115 ± 0.034	54	0.104 ± 0.013
9 10*	1	0.003 ± 0.003	0	0.000	1	0.011 ± 0.011	2	0.004 ± 0.003
10 10	11	0.033 ± 0.010	4	0.038 ± 0.019	3	0.034 ± 0.020	18	0.035 ± 0.008
10 10*	1	0.003 ± 0.003	0	0.000	0	0.000	1	0.002 ± 0.002
10* 10*	0	0.000	0	0.000	1	0.011 ± 0.011	1	0.002 ± 0.002

Table 17b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of human tyrosine (HUMTHO.1) STR polymorphism for three age groups in females.

	Age Group							
Allele**	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
6	196	0.297 ± 0.018	55	0.264 ± 0.031	53	0.305 ± 0.035	304	0.292 ± 0.014
7	102	0.155 ± 0.014	34	0.163 ± 0.026	26	0.149 ± 0.027	162	0.155 ± 0.011
8	100	0.152 ± 0.014	21	0.101 ± 0.021	21	0.121 ± 0.025	142	0.136 ± 0.011
9	121	0.183 ± 0.015	49	0.236 ± 0.029	34	0.195 ± 0.030	204	0.196± 0.012
10	134	0.203 ± 0.016	49	0.236 ± 0.029	34	0.195 ± 0.030	217	0.208 ± 0.013
10*	7	0.011 ± 0.004	0	0.000	6	0.034 ± 0.014	13	0.012 ± 0.003

** TH-STR alleles are indicated according to the number of the repeats. 10* is the imperfect HUMTHO.1 allele 10 (Puers et al., 1993)

Test for Hardy-Weinberg equilibrium (5000 permutations):

- Group 1: $p = 0.5712$
- Group 2: $p = 0.4128$
- Group 3: $p = 0.1856$

Table 18a: Absolute (Abs) and relative (Rel) genotypic frequencies \pm standard errors (SE) of human tyrosine (HUMTHO.1) STR polymorphism for three age groups in males.

	Age Group							
Genotype	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
6 6	17	0.077 ± 0.018	18	0.150 ± 0.029	5	0.045 ± 0.020	40	0.089 ± 0.013
6 7	12	0.054 ± 0.015	6	0.050 ± 0.020	14	0.127 ± 0.032	32	0.071 ± 0.012
6 8	15	0.068 ± 0.017	15	0.125 ± 0.030	7	0.064 ± 0.023	37	0.082 ± 0.013
6 9	35	0.158 ± 0.025	15	0.125 ± 0.030	20	0.182 ± 0.037	70	0.155 ± 0.017
6 10	33	0.149 ± 0.024	16	0.133 ± 0.031	7	0.064 ± 0.023	56	0.124 ± 0.016
6 10*	1	0.005 ± 0.005	0	0.000	0	0.000	1	0.002 ± 0.002
7 7	2	0.009 ± 0.006	2	0.017 ± 0.012	4	0.036 ± 0.018	8	0.018 ± 0.006
7 8	13	0.059 ± 0.016	6	0.050 ± 0.020	4	0.036 ± 0.018	23	0.051 ± 0.010
7 9	15	0.068 ± 0.017	7	0.058 ± 0.021	9	0.082 ± 0.026	31	0.069 ± 0.012
7 10	17	0.077 ± 0.018	5	0.042 ± 0.018	7	0.064 ± 0.023	29	0.064 ± 0.012
7 10*	1	0.005 ± 0.005	0	0.000	1	0.009 ± 0.009	2	0.004 ± 0.003
8 8	1	0.005 ± 0.005	0	0.000	1	0.009 ± 0.009	2	0.004 ± 0.003
8 9	11	0.050 ± 0.015	4	0.033 ± 0.016	5	0.045 ± 0.020	20	0.044 ± 0.010
8 10	10	0.045 ± 0.014	9	0.075 ± 0.024	5	0.045 ± 0.020	24	0.053 ± 0.011
9 9	9	0.041 ± 0.013	3	0.025 ± 0.014	5	0.045 ± 0.020	17	0.038 ± 0.009
9 10	20	0.090 ± 0.019	7	0.058 ± 0.021	7	0.064 ± 0.023	34	0.075 ± 0.012
9 10*	1	0.005 ± 0.005	1	0.008 ± 0.008	3	0.027 ± 0.016	5	0.011 ± 0.005
10 10	7	0.032 ± 0.012	5	0.042 ± 0.018	6	0.055 ± 0.022	18	0.040 ± 0.009
10 10*	1	0.005 ±0.005	1	0.008 ± 0.008	0	0.000	2	0.004 ± 0.003

Table 18b: Absolute (Abs) and relative (Rel) allelic frequencies \pm standard errors (SE) of human tyrosine (HUMTHO.1) STR polymorphism for three age groups in males.

	Age Group							
Allele	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
6	130	0.294 ± 0.022	88	0.367 ± 0.031	58	0.264 ± 0.030	276	0.306 ± 0.015
7	62	0.140 ± 0.017	28	0.117 ± 0.021	43	0.195 ± 0.027	133	0.147 ± 0.012
8	51	0.115 ± 0.015	34	0.142 ± 0.023	23	0.105 ± 0.021	108	0.120 ± 0.011
9	100	0.226 ± 0.020	40	0.167 ± 0.024	54	0.245 ± 0.029	194	0.215 ± 0.014
10	95	0.215 ± 0.020	48	0.200 ± 0.026	38	0.173 ± 0.025	181	0.201 ± 0.013
10*	4	0.009 ± 0.005	2	0.008 ± 0.006	4	0.018 ± 0.009	10	0.011 ± 0.003

** TH-STR alleles are indicated according to the repeat number. 10* is the imperfect HUMTHO.1 allele 10 (Puers et al., 1993)

Test for Hardy-Weinberg equilibrium (5000 permutations) :

- Group 1: $p = 0.3606$
- Group 2: $p = 0.3594$
- Group 3: $p = 0.3732$

Table 19a: Absolute (Abs) and relative (Rel) haplogroup frequencies \pm standard errors (SE) of Mitochondrial DNA for three age groups in females.

	Age Group							
Haplogroups*	Group 1 (< 73 years)		Group 2 (73-90 years)		Group 3 (>90 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
H,V	123	0.373 ± 0.027	31	0.094 ± 0.016	43	0.130 ± 0.019	197	0.597 ± 0.027
I,V,X	27	0.0818 ± 0.015	5	0.015 ± 0.007	9	0.027 ± 0.009	41	0.124 ± 0.018
U,K	75	0.2273 ± 0.023	34	0.103 ± 0.017	18	0.055 ± 0.013	127	0.385 ± 0.027
J,T	65	0.1970 ± 0.022	14	0.042 ± 0.011	11	0.033 ± 0.010	90	0.273 ± 0.025
Others	40	0.1212 ± 0.018	20	0.061 ± 0.013	6	0.018 ± 0.007	66	0.200 ± 0.022

Table 19b: Absolute and relative haplogroup frequencies \pm standard errors of Mitochondrial DNA for three age groups in males.

	Age Group							
Haplogroups*	Group 1 (<66 years)		Group 2 (66-87 years)		Group 3 (> 87 years)		Total sample	
	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE	Abs	Rel ± SE
H,V	89	0.403 ± 0.033	41	0.186 ± 0.026	38	0.172 ± 0.025	168	0.760 ± 0.029
I,V,X	16	0.072 ± 0.017	13	0.059 ± 0.016	12	0.054 ± 0.015	41	0.186 ± 0.026
U,K	47	0.213 ± 0.028	23	0.104 ± 0.021	30	0.136 ± 0.023	100	0.452 ± 0.033
J,T	43	0.195 ± 0.027	26	0.118 ± 0.022	19	0.086 ± 0.019	88	0.398 ± 0.033
Others	26	0.118 ± 0.022	17	0.077 ± 0.018	11	0.050 ± 0.015	54	0.244 ± 0.029

*Mitochondrial DNA haplogroups were pooled according to the phylogenetic proximity