

**Evidence from Case-control and Longitudinal Studies Supports Associations of Genetic Variation in *APOE*, *CETP* and *IL6* with Human Longevity**

AGE

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**Supplementary Table 3: Sex-stratified cross sectional analysis.**

Gene	SNP	Minor/Major allele	Chr./position	Position in gene	Gender	MAF MADT/1905	PCCA uncorrected	PCCA corrected	OR (95% CI)	PCCG uncorrected	PCCG corrected	Change in freq. of common homozygotes from middle aged to old aged
CETP	rs9923854	C/A	16/55574503	Intronic	Males	0.085/0.165	$9.14 \cdot 10^{-6}$	<b>0.0006</b>	2.117 (1.512-2.964)	$1.71 \cdot 10^{-6} \ddagger$	<b>0.0003</b>	↓
					Females	0.098/0.164	$3.08 \cdot 10^{-5}$	<b>0.0025</b>	1.804 (1.363- 2.389)	$2.94 \cdot 10^{-6} \ddagger$	<b>0.0007</b>	↓
APOE	rs769449	A/G	19/50101842	Intronic	Males	0.179/0.129	0.010	>0.05	0.676 (0.500-0.915)	0.009	>0.05	↑
					Females	0.154/0.110	0.020	>0.05	0.753 (0.584-0.973)	0.031	>0.05	↑

Notes: Chr: chromosome, MAF: minor allele frequency, MADT: the Study of Middle Aged Danish Twins, 1905: the 1905 cohort, PCCA = Allelic case-control comparison P-value, OR: odds ratio and 95% CI: 95% confidence interval, PCCG: genotypic case-control comparison P-value,  $\ddagger$ : applying a dominant model, Freq: frequency, PCCA or PCCG values being significant after correction of multiple testing is shown in bold.