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RESEARCH ARTICLE

Biomarkers and Gene Polymorphisms in Members of Long- and Short-lived Families: A Longevity Study

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SUPPLEMENTARY DATA

The PCR was performed by using KAPA Taq polymerase (KAPA Biosystems). For CETP TaqIB (rs708272) polymorphism the oligonucleotide primers, which were used are 5'-CACTAGCCCAGAGAGAGGAGTGCC-3' (forward) and 5'-CTGAGCCCAGCCGCACACTAAC-3' (reverse) [1] PCR product cleaved by TaqI, creating fragments for B2 allele 535 bp and for B1 allele 361 bp and 174 bp. For CETP I405V (rs5882) polymorphism the oligonucleotide primers, which were used are 5'-TATTTTTTTCACGGATGGGCA-3' (forward) and 5'-TTGACTGCAGGAAGCTCTGGC-3' (reverse) [2] PCR product was cleaved by MspI, creating fragments for I allele 142 bp and for V allele 121 bp and 21bp. For ACE I/D (rs1799752) polymorphism the oligonucleotide primers, which were used are 5'-CTGGAGACCACTCCCATCCTTCT-3' (forward) and 5'-GATGTGGCCATCACATTCGTCAGAT-3' (reverse) [3] The I (insertion) allele was 490bp and the D (deletion) allele was 190bp. For ADIPOQ +45T>G (rs2241766) polymorphism the oligonucleotide primers, which were used are 5'-GCAGCTCCTAGAAGTAGACTCTGCTG-3' (forward) and 5'-GGAGGTCTGTGATGAAAGAGGCC-3' (reverse) [4]. PCR product was cleaved by BspHI, creating fragments for T allele 206 bp and 166 bp and for G allele 372 bp. For IGF3 A-202C (rs2854744) polymorphism the oligonucleotide primers, which were used are 5'-CCACGAGGTACACACGAATG-3' (forward) and 5'-AGCCGCAGTGCTCGCATCTGG-3' (reverse) [5]. PCR product was cleaved by FspI, creating fragments for C allele 241 bp and 222 bp and for A allele 463 bp. All fragments of gene polymorphisms were subjected to electrophoresis on an agarose gel 3% and visualized with ethidium bromide. Gg

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