

APPENDICES TO MORABIA A, CAYANIS E, COSTANZA MC, ROSS BM, BERNSTEIN MS, FLAHERTY MS, ALVIN GB, DAS K, MORRIS MA, PENCHASZADEH GK, ZHANG P, WILLIAM TC. Association between lipoprotein lipase (LPL) gene and blood lipids: a common variant for a common trait? Genet Epidemiol 2003;24:309-21.

Appendix 1. Primers used to amplify the 10 exons of the lipoprotein lipase (LPL) gene.

Amplified exon	Primers	Annealing temperature	Size (bp)
1	5'-GCATATTTCCAGTCACATAAGCAGCCT 3'-CTTCCAACCTTCCTTCTTCTCATCCTCAG	70	410
2	5'-CGTTGGAGCATCTGTTGTTCTCTTG 3'-AGTGTAAGGAGATCCACGTGAGATGTG	70	449
3	5'-CTATCTGTGCCAATGGGTTTCCAATC 3'-TCAAACGATAGAGCAGGGCAGGAC	70	524
4	5'-TTATTTTTTGGCAGAACTGTAAGCACC 3'-GTTCTGATTCTCTCTCAGAATGACAGTC	64	231
5	5'-GAGCCAAGCCTCCTTTTATGTCTCTC 3'-TGGCTCTAAGGTGGTCATGCTGAAC	70	567
6	5'-AGGGCCTACAATCATAAATGCACAGG 3'-GAAGCCTCAGACAAATGGATCAATGC	70	564
7	5'-GATGAAGTCTTTCCAAGCCACACCA 3'-GTTATGGCAGGAGAGGGACTGGTG	70	332
8	5'-GCCATCGACCTTCATTTTGAGTTCT 3'-TCCTAAAGCTCTCCCTGAATTGTGAAG	70	447
9	5'-GATTCTGATGTGGCCTGAGTGTGACA 3'-GCTTTGATCACATGAGTCAGGGCA	70	386
10	5'-GTTGCTCCAGTGTCTTCCATTCCTACA 3'-CAAGGGTAGGGCTGGGATTAATATTCA	70	345

Appendix 2. Primers used to amplify the target DNA containing the LPL SNP and the SNP used in the Template-directed Dye-terminator Incorporation with Fluorescence Polarization detection reactions.

Target DNA or SNP	Primer	Variant
lpl-snp-3(B.3)F	5'-GAAAGCTTGTGTCATCATCTTCAGGT	A/C
lpl-ampl-3(B.3)R	5'-GTGACAGCCAGTCCACCACAATG	
lpl-ampl-3(B.156)F	5'-CTGTCACGGGCTCAGGAGCATTAC	C/T
lpl-snp-3(B.156)R	5'-TCCATCCAGTTGATAAACCGGGC	
lpl-ampl-4(B.6)F	5'-GTTTTATTTTTGGCAGAAGTGTAAAGCACC	C/T
lpl-ampl-4(B.6)R	5'-GACATTGTCCAGAGGGTAGTTAAA	
lpl-snp-5(B +33)F	5'-AATATTATTTAGAAAGCGAATTAATGTGA	C/G
lpl-ampl-5(B +33)R	5'-TGAAGCTACTGAGTAGGACATTGGGTC	
lpl-ampl-5(B+37)F	5'-GAGGTAAGTTTTCAGCCAGGATGTAACA	A/G
lpl-snp-5(B +37)R	5'-GACATTGGGTCAATAAGGGTTAAGGAT	
lpl-snp-5(B +103)F	5'-TAGCTTCAAAGTATGTAGTTTTTCATATACA	C/T
lpl-snp-5(B +103)R	5'-TGGCTCTAAGGTGGTCATGCTGAAC	
lpl-ampl-6(B +73+82+108)F	5'-CAAGGAGTCCTATTTTCATCATGCTCACT	
lpl-ampl-6(B +73+82+108)R	5'-CTGACAATGGGAATTAGAAGCCTCAG	
lpl-snp-6(B +73)F	5'-CATCATGCTCACTGCATCACATGTAC	T/G
lpl-snp-6(B +82)R	5'-ACCAGTCATCATCTCTGTTCCAATG	G/T
lpl-snp-6(B+108)F	5'-CCATTGGAACAGAGATGATGACTGGT	G/A
lpl-ampl-8(B +25)F	5'AGGCCTGAAGTTTCCACAAATAAGAC	C/A
lpl-ampl-8(B +25)R	5'-GAATCACTCTTCCATTTGAGCTTCAAC	
lpl-ampl-hindIII-F	5'-GATAATCTCAACCTGTCTCCGCAGC	
lpl-ampl-hindIII-R	5'-TGGTGATACAAGCAAATGACTAAAGAGAA	
lpl-snp-hindIII	5'-TACACAGAGATCGCTATAGGATTTAAAGC	T/G

lpl-ampl-9(B -90)F	5'-CAAAACAATTACCCAGCATGATCATGTA	T/G
lpl-ampl-9(B -90)R	5'-AGAAGATCACCCCTGTGGAAGAAAATG	
lpl-ampl-9(B.99)F	5'-TGCCATGACAAGTCTCTGAATAAGAAGT	C/G
lpl-ampl-9(B.99)R	5'-CTTTGATCACATGAGTCAGGGCAAG	
lpl -snp-10(B-11)	5'-GAAGATAATAAATTGCCCTTTTTCCTGTG	C/T
lpl-ampl-10(B.10&.57)F	5'-CAGGCGGGAATTGTAAAACACTCAG	
lpl-ampl-10(B.10&.57)R	5'-CAAGGGTAGGGCTGGGATTAATATTC	
lpl-snp-10(B.10)R	5'-CACATGCCGTTCTTTGTTCTGTAGATT	C-T
lpl-snp-10(B.57)F	5'-GGCATGTGAATTCTGTGAAGAATGAAG	T-A
