



Distribution of HLA-B27 and CYP2D6*4 mutations in the middle Black Sea area (Tokat) of Turkey

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ABSTRACT. We analyzed distribution of HLA-B27 and CYP2D6*4 mutations in 249 patients from Tokat province in Turkey with symptoms of arthritis, sacroiliac, joint and back pain, using a LightCycler 480 II Real-Time PCR thermal cycler. The Genes-4U was applied for studying HLA-B27 mutation, and the Tib-Molbiol commercial kit was used to examine the CYP2D6*4 mutation. Among the 249 patients, 18.5% had the HLA-B27 mutation. The CYP2D6*4 mutation was found in 22.0% (six homozygotes). Ten patients had both mutations. These frequencies are similar to what has been reported from other populations.

Key words: HLA-B27; CYP2D6*4; Mutation; Real-time PCR