

NO ASSOCIATION BETWEEN THE *STAT5B* RS6503691 (C>T) SNP AND MYELOPROLIFERATIVE NEOPLASMS

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The *STAT3/STAT5a/STAT5b* locus encodes important effectors in the pathogenesis of myeloproliferative neoplasms. We analyzed the *STAT5b* rs6503691 (C>T) single nucleotide polymorphism on a representative cohort of 302 patients with polycythemia vera, essential thrombocythemia, primary myelofibrosis and chronic myeloid leukemia, with known *JAK2* V617F and *BCR-ABL* status, and a control group of 340 individuals, using the PCR-RFLP technique.

The genotypes and alleles had a similar distribution in patients and controls, which was seen when analyzing also each subgroup in part. Moreover, the genotypes and alleles had similar distribution in *JAK2* V617F-positive and *JAK2* V617F-negative patients with polycythemia vera, essential thrombocythemia and primary myelofibrosis. Our results suggest no role of the *STAT5b* rs6503691 (C>T) SNP in the occurrence of the most common myeloproliferative neoplasms