

CD209 Promoter Single Nucleotide Polymorphism -336A/G and the Risk of Susceptibility to Tuberculosis Disease in the Moroccan Population

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ABSTRACT Tuberculosis (TB) remains a major cause of morbidity and mortality worldwide. *Mycobacterium tuberculosis* is the causal agent of this infection and its major receptor is CD209 which is expressed on human Dendritic Cells (DC). This interaction could influence bacterial persistence and immunity response. The aim of this study was to evaluate the functional polymorphism -336G/A SNP in TB susceptibility in the Moroccan population. We performed a case-control study within a cohort that included 122 pulmonary TB patients and 151 healthy controls. All subjects were genotyped by TaqMan SNP genotyping assays. No significant difference was observed in allele or genotype frequencies of -336G/A CD209 between TB patients and healthy controls. Further studies are needed to confirm our finding including a large sample size.