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PCR-RFLP protocols for genotyping VEGF-A rs28357093

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Protocol Information

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Summary: The VEGF-A gene encodes a homonymous protein, responsible for regulating angiogenesis and vascular permeability. In addition, in the central nervous system, it acts as a neurotrophic factor, stimulating neurogenesis and cell survival. VEGF-A rs28357093 is located in the promoter region of the gene. There are few studies with this polymorphism, with no reports on the consequences. However, it is in a regulatory region, important for the control of gene transcription, and may influence gene and protein expression. In this document, we share our protocol for amplification and enzymatic digestion for this SNP, using the PCR-RFLP technique and silver staining for genotyping analysis.

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