ABSTRACT

The invention provides novel, carrot-derived MITE-like elements (transposable elements). It further provides transcriptional activation elements comprising at least one transposable element, in particular one of the above MITE-like elements. Specifically, it provides transcriptional activation elements having a DNA comprising the nucleotide sequence shown under SEQ ID NO:1 or a functional equivalent thereto and/or a DNA comprising the nucleotide sequence shown under SEQ ID NO:2 or a functional equivalent thereto. The transcriptional activation elements of the invention can increase or activate the reduced expression of a foreign gene introduced by the transgenic technology. Therefore, the transcriptional activation elements contribute to stable expression of a foreign gene introduced in a plant genome and are useful in stably producing genetically modified plants.