**ABSTRACT**

MATERIALS AND METHODS FOR INCREASING THE TOCOPHEROL CONTENT IN SEED OIL

The present invention relates generally to the field of molecular biology and concerns increasing the tocopherol content of a plant relative to a control plant, comprising expressing in a plant at least one polynucleotide encoding a delta-12-desaturase, at least one polynucleotide encoding a delta-6-desaturase, at least one polynucleotide encoding a delta-6-elongase, and at least one polynucleotide encoding a delta-5-desaturase. The present invention also relates to methods for the manufacture of oil, fatty acid- or lipids-containing compositions, and to such oils and lipids as such.

(No suitable figure)