

Isolated nucleotide sequences mutated by insertion encoding a truncated sunflower oleate desaturase protein, truncated protein, methods, procedures and uses. The isolated nucleotide sequences comprise an insertion that includes a stop codon, and wherein the sequences encode a truncated sunflower oleate desaturase protein. The truncated sunflower oleate desaturase protein may be for example the sequence shown in SEQ ID No: 1 or SEQ ID No: 2.