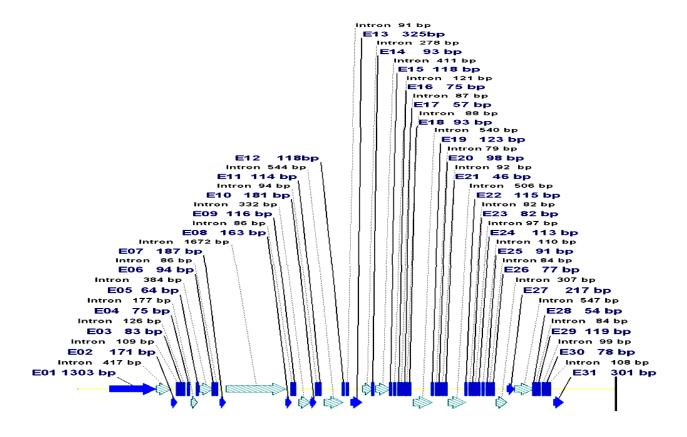


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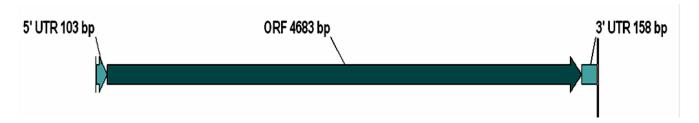
Supplementary data

Cloning and expression profiling of polycomb gene, DNA Polymerase Alpha (POL α) from tomato Solanum lycopersicum L.

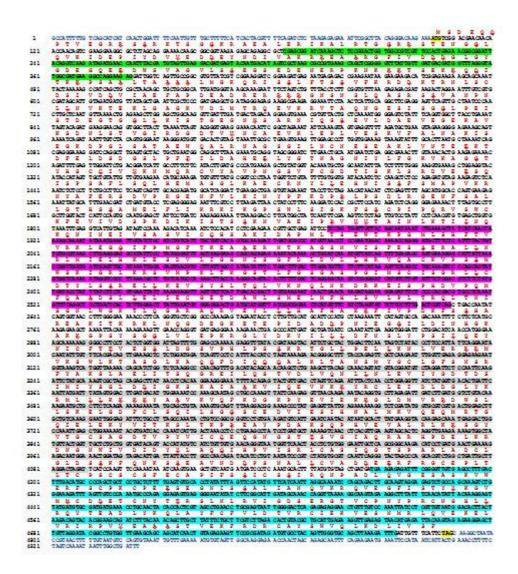
Zainab M. Almutairi, Monther T. Sadder



Supplementary Fig 1: Predicted tomato $SIPOL\alpha$ gene constructed on the basis of high similarity found between obtained $SIPOL\alpha$ flcDNA and the corresponding SGN BAC using VectorNTI software. Thirty-one exons (the blue regions) were determined by presence within flcDNA using BLASTN search in SGN database. Sizes of the exon/intron are illustrated.



Supplementary Fig 2: $SIPOL\alpha$ gene flcDNA of a length of 4,944 bp composed of a 5' UTR of 103 bp, ORF of 4,683 bp and a 3' UTR of 158 bp. Complete nucleotide sequence was derived from 11 ESTs with 5' and 3' RACE fragments.



Supplementary Fig 3. Nucleotide and deduced amino acid sequence of tomato $SIPOL\alpha$ gene. FlcDNA nucleotide sequence is composed of an ORF (black text), 5' and 3' UTR (blue text). The initiation methionine codon, and the stop codon, ATG and TAG, are shown in yellow. The numbers on the left refer to nucleotide positions. Amino acid sequence of tomato $SIPOL\alpha$ predicted protein shown above ORF sequence (red text). The conserved domains, DNA pol α N, DNA pol α B exo, POLBc α and zf-DNA Pol, are shown in green, pink, grey and turquoise, respectively.