CLAIMS

1. A synthetic DNA molecule comprising a nucleotide sequence set forth in SEQ ID NO: 33.

2. An expression vector comprising the DNA molecule of claim 1, operably linked to one or more nucleic acid sequences encoding a polypeptide.

3. A genetically engineered host cell comprising the expression vector of claim 2.

4. The genetically engineered host cell of claim 3, wherein the cell is a *Cannabis sativa* cell.

5. The genetically engineered host cell of claim 3, wherein the cell is a *Nicotiana tabacum* cell.

6. A genetically engineered plant comprising a cell comprising a chimeric nucleic acid construct comprising the synthetic DNA molecule of claim 1.

7. The engineered plant of claim 6, wherein the plant is an *N. tabacum* plant.

8. The engineered plant of claim 6, wherein the plant is a *C. sativa* plant.

9. Seeds from the engineered plant of any one of claims 6-8, wherein the seeds comprise the chimeric nucleic acid construct.