

NO: 1 through SEQ ID NO: 9112, wherein said second nucleotide sequence encodes a *D. v. virgifera* protein or fragment thereof which is a receptor or fragment thereof disposed at the surface of said cells, wherein said receptor binds an insecticidal protein toxin selected from the group consisting of toxins produced by *B. thuringiensis*, *B. sphaericus*, *Photorhabdus*, and *Xenorhabdus* species, linked to iii) a 3' non-translated sequence that functions in said cell to cause termination of transcription;

- b) recovering said cells;
- c) contacting said cells with said candidate toxin; and
- d) determining effects of said candidate toxin on metabolism or morphology of said cells, wherein said determination is predictive of a cytotoxic or cytostatic property of said candidate toxin.

18. A transformed plant cell comprising a polynucleotide sequence which comprises:

- a) an exogenous promoter sequence which functions in a plant cell to cause the production of a mRNA molecule; which is operably linked to
- b) a structural nucleic acid molecule comprising a first nucleotide sequence which is or is complementary to a second nucleotide sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 9112; which is operably linked to
- c) a 3' non-translated sequence that functions in said plant cell to cause termination of transcription and addition of polyadenylated ribonucleotides to the 3' end of said mRNA molecule.

19. The transformed cell according to claim **18**, wherein said cell is selected from the group consisting of a monocot and a dicot plant cell.

20. A computer readable medium having recorded thereon one or more of the nucleotide sequences as set forth in SEQ ID NO: 1 through SEQ ID NO: 9112 or complements thereof.

21. A computer readable medium according to claim **20**, wherein said nucleotide sequences as set forth in SEQ ID NO: 1 through SEQ ID NO: 9112 are recorded thereon

22. A substrate onto which one or more of the nucleotide sequences as set forth in SEQ ID NO:1 through SEQ ID NO:9112 is deposited in an ordered array comprising a high density matrix pattern for use in detecting the binding of one or more probe nucleic acid sequences.

23. A substrate onto which one or more of the proteins encoded by the nucleotide sequences as set forth in SEQ ID NO:1 through SEQ ID NO:9112 is deposited in an ordered array comprising a high density matrix pattern for use in detecting either (a) the binding of an antibody specific for one or more of said proteins, or (b) the binding of one or more peptides that bind specifically to one or more of said proteins.

24. A nucleic acid array comprising at least one nucleic acid sequence as set forth in SEQ ID NO:1 through SEQ ID NO:9112 stably bound to a solid support.

25. An array comprising at least one polypeptide encoded by a nucleic acid sequence as set forth in SEQ ID NO:1 through SEQ ID NO:9112 stably bound to a solid support.

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