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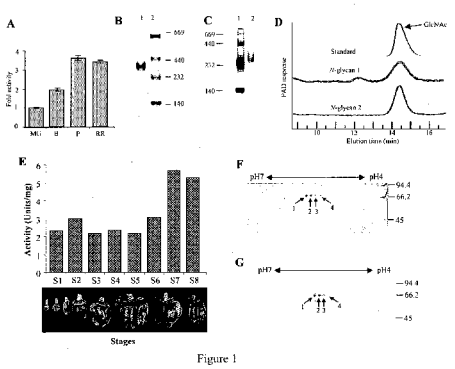


Figure 1

(57) Abstract: The present invention provides isolated polynucleotide sequences encoding β-D-N-acetylhexosaminidase. The present invention further provides DNA construct comprising the polynucleotide sequence coding for β-D-N-acetylhexosaminidase in sense or anti-sense orientation, RNAi construct, recombinant vector comprising the construct and host cells comprising the recombinant vector disclosed in the present invention. The present invention further provides transgenic plant, plant cell, transgenic progeny and seeds expressing the polynucleotide with reduced β-D-N-acetylhexosaminidase protein accumulation, having enhanced fruit shelf life

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