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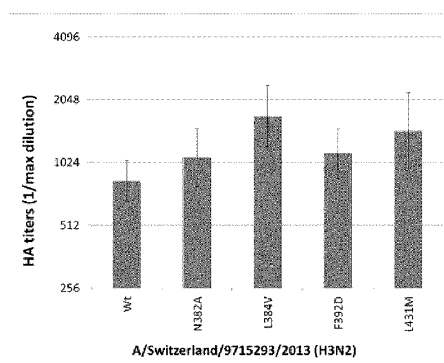
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(54) Title: INFLUENZA VIRUS HEMAGGLUTININ MUTANTS

Figure 2



(57) Abstract: The present invention relates to the production of mod-
ified influenza viral proteins in plants. More specifically, the present
invention relates to producing and increasing influenza virus-like par-
ticle (VLP) production in plants, wherein the VLPs comprise the mod-
ified influenza viral proteins, such as modified influenza hemagglu-
tinin (HA). The HA protein may comprising an amino acid sequence
comprising at least one substitution when compared to a corresponding
wildtype amino acid sequence. Further provided are nucleic acid en-
coding the modified HA protein. Furthermore methods of producing an
influenza virus like particle (VLP) and methods of increasing yield of
production of an influenza virus like particle (VLP) in a plant, portion
of a plant, or a plant cell, are also provided.

WO 2020/000100 A1