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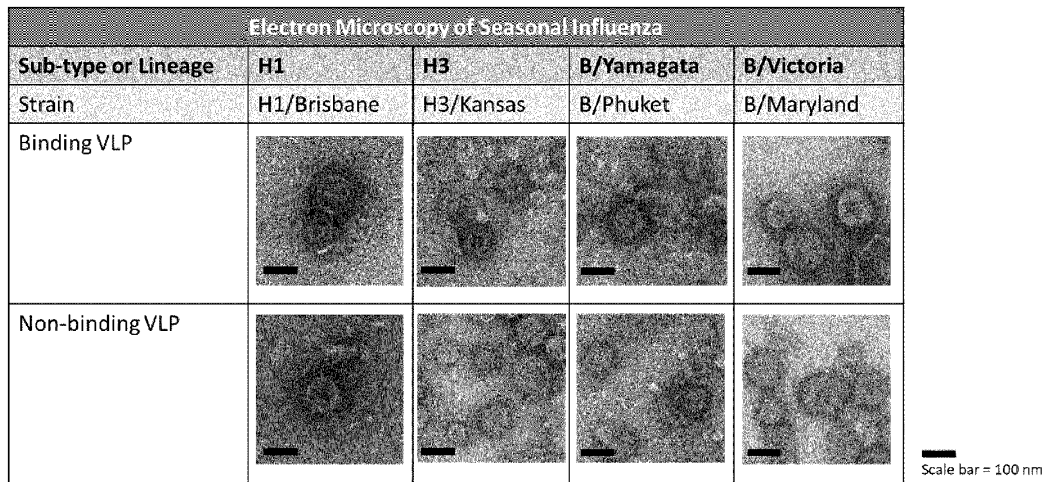
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(54) Title: SUPRASTRUCTURE COMPRISING MODIFIED INFLUENZA HEMAGGLUTININ WITH REDUCED INTERAC-
TION WITH SIALIC ACID

Figure 1C



(57) Abstract: A suprastructure comprising a modified influenza hemagglutinin (HA) is provided. The modified HA may comprise one or more than one alteration that reduces non-cognate binding of the modified HA to sialic acid (SA) on the surface of a cell, while maintaining cognate interaction with the cell, such as a B cell. A composition comprising the suprastructure and modified HA and a pharmaceutically acceptable carrier is also described. A method of increasing an immunological response or inducing immunity in response to a vaccine comprising the suprastructure and modified HA is also provided.

[Continued on next page]

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