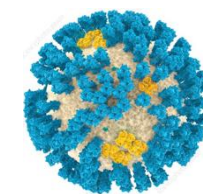


Deep learning-guided antigenic mapping of influenza virus: implications to synthetic serology & vaccine design

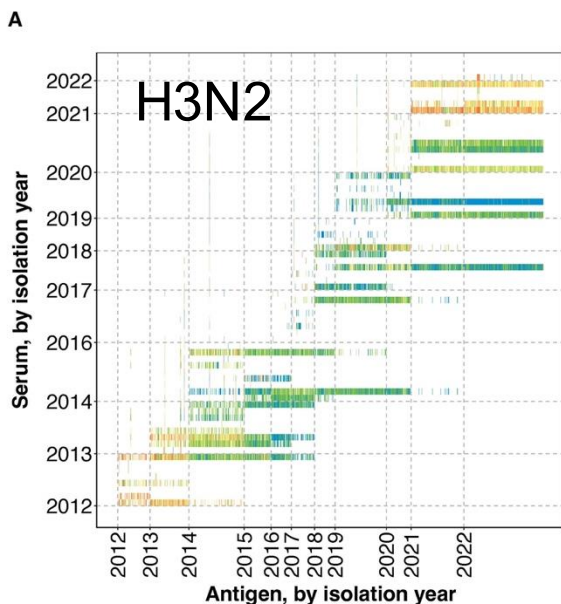
Lin Wang

lw660@cam.ac.uk

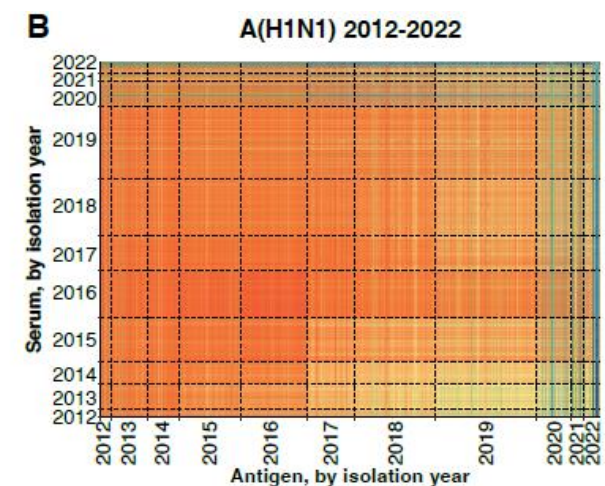
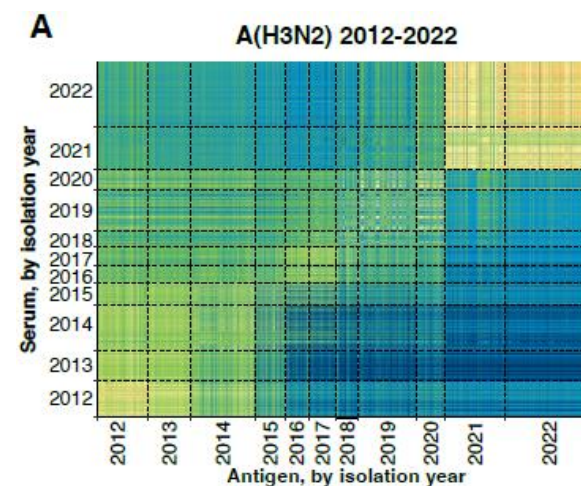
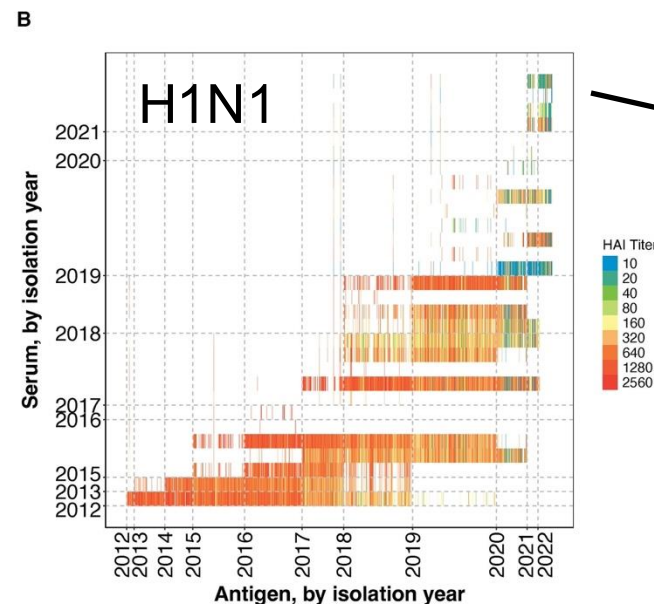
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H3N2
H1N1

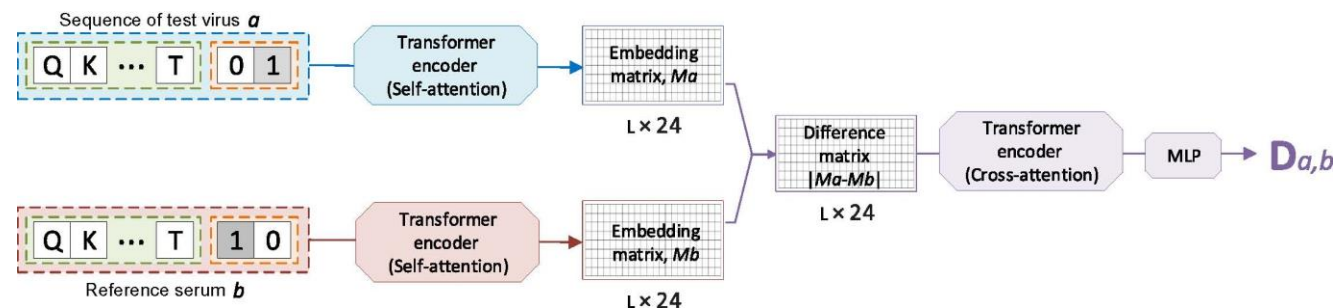


HAi titre (raw data)

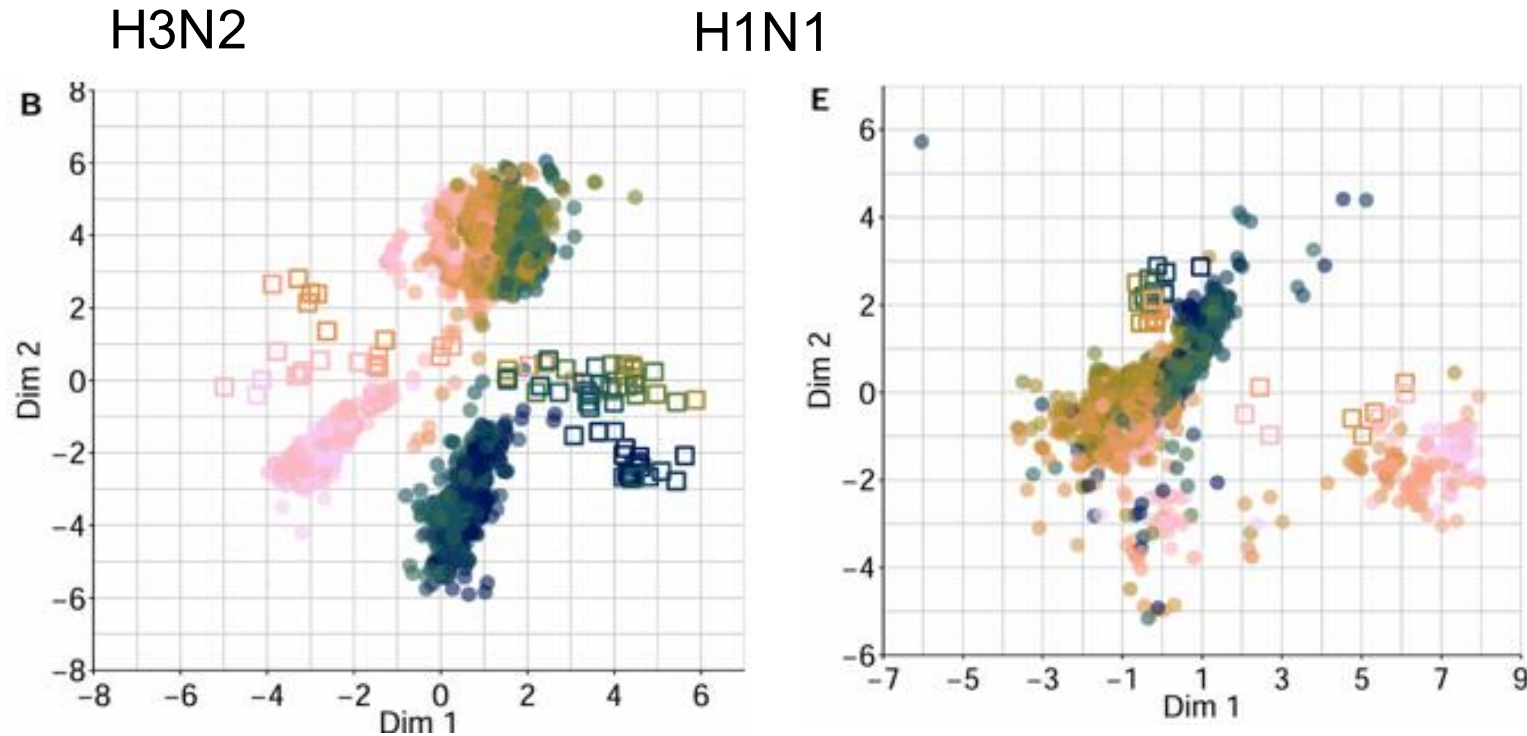


HAi titre (augmented data)

End-to-end model



2D Enhanced Antigenic Map



Substitutions linked to
antigenic cluster transitions

