

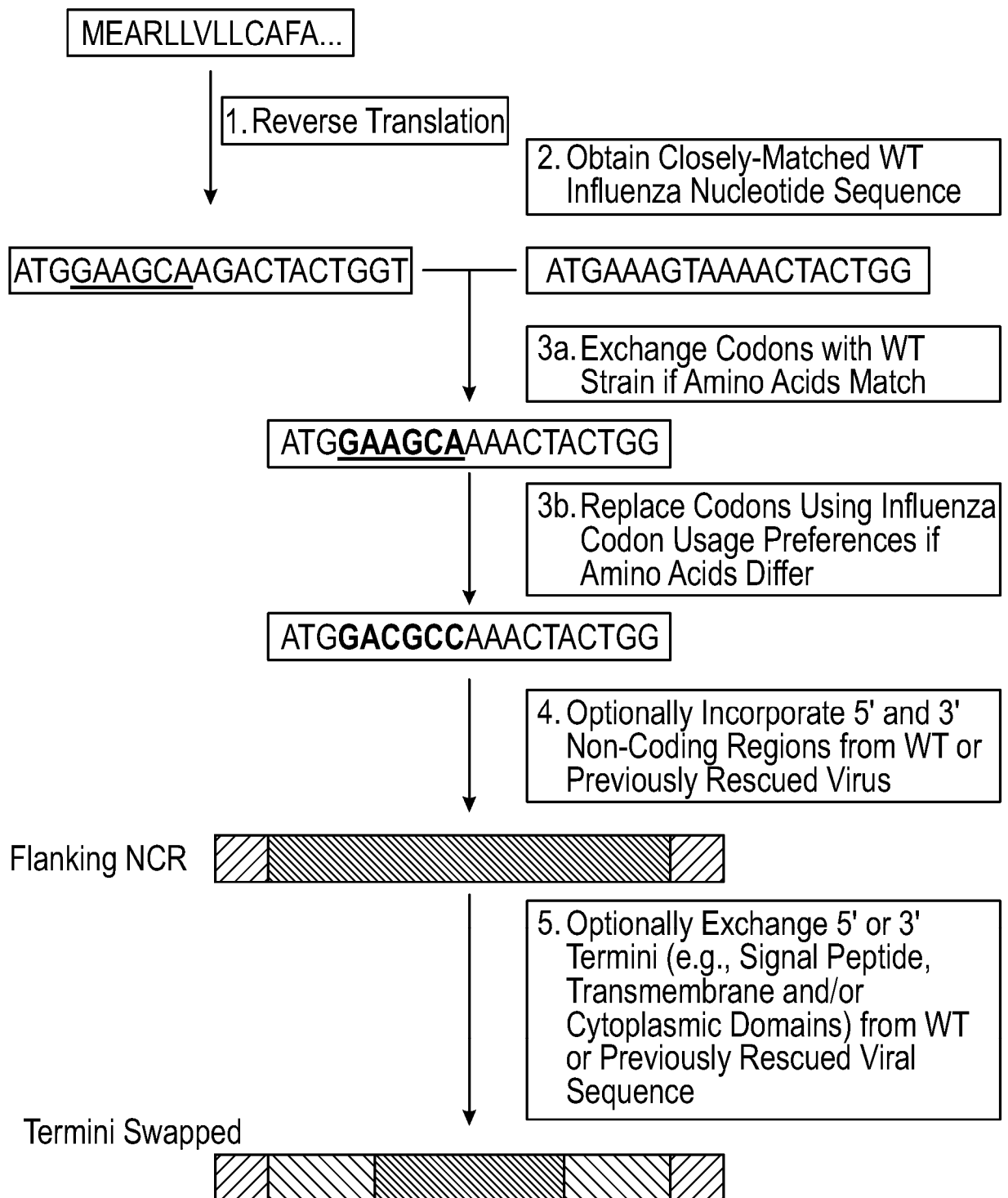


FIG. 1

Influenza A Subtype H1N1 10

A/Texas/36/1991	1	100	110	120	130	140	150	160	170	180	190	197
A/New_Caledonia/20/1999	1	100	110	120	130	140	150	160	170	180	190	197
A/Solomon_Islands/3/2006	1	100	110	120	130	140	150	160	170	180	190	197
A/Brisbane/59/2007	1	100	110	120	130	140	150	160	170	180	190	197
A/California/07/2009	1	100	110	120	130	140	150	160	170	180	190	197

A/Texas/36/1991	98	100	110	120	130	140	150	160	170	180	190	194
A/New_Caledonia/20/1999	98	100	110	120	130	140	150	160	170	180	190	193
A/Solomon_Islands/3/2006	98	100	110	120	130	140	150	160	170	180	190	193
A/Brisbane/59/2007	98	100	110	120	130	140	150	160	170	180	190	193
A/California/07/2009	98	100	110	120	130	140	150	160	170	180	190	194

A/Texas/36/1991	195	200	210	220	230	240	250	260	270	280	290	291
A/New_Caledonia/20/1999	194	200	210	220	230	240	250	260	270	280	290	290
A/Solomon_Islands/3/2006	194	200	210	220	230	240	250	260	270	280	290	290
A/Brisbane/59/2007	194	200	210	220	230	240	250	260	270	280	290	290
A/California/07/2009	195	200	210	220	230	240	250	260	270	280	290	291

A/Texas/36/1991	292	300	310	320	330	340	350	360	370	380	388	388
A/New_Caledonia/20/1999	291	300	310	320	330	340	350	360	370	380	387	387
A/Solomon_Islands/3/2006	291	300	310	320	330	340	350	360	370	380	387	387
A/Brisbane/59/2007	291	300	310	320	330	340	350	360	370	380	387	387
A/California/07/2009	292	300	310	320	330	340	350	360	370	380	388	388

A/Texas/36/1991	389	390	400	410	420	430	440	450	460	470	480	485
A/New_Caledonia/20/1999	388	390	400	410	420	430	440	450	460	470	480	484
A/Solomon_Islands/3/2006	388	390	400	410	420	430	440	450	460	470	480	484
A/Brisbane/59/2007	388	390	400	410	420	430	440	450	460	470	480	484
A/California/07/2009	389	390	400	410	420	430	440	450	460	470	480	485

A/Texas/36/1991	486	490	500	510	520	530	540	550	560	566	566
A/New_Caledonia/20/1999	485	490	500	510	520	530	540	550	560	565	565
A/Solomon_Islands/3/2006	485	490	500	510	520	530	540	550	560	565	565
A/Brisbane/59/2007	485	490	500	510	520	530	540	550	560	565	565
A/California/07/2009	486	490	500	510	520	530	540	550	560	566	566

FIG. 2

Influenza A Subtype H3N2

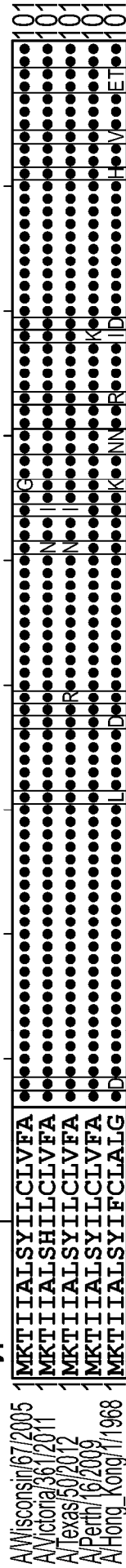
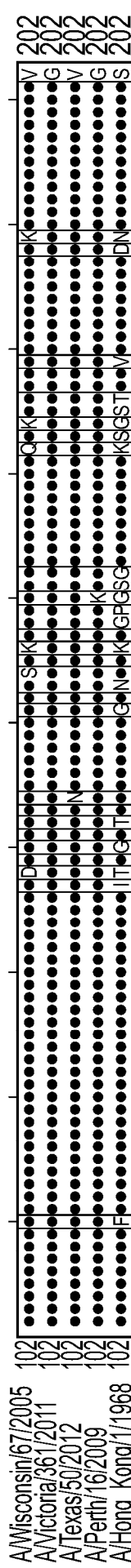
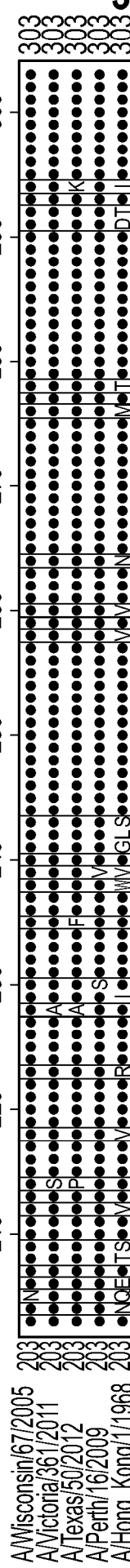
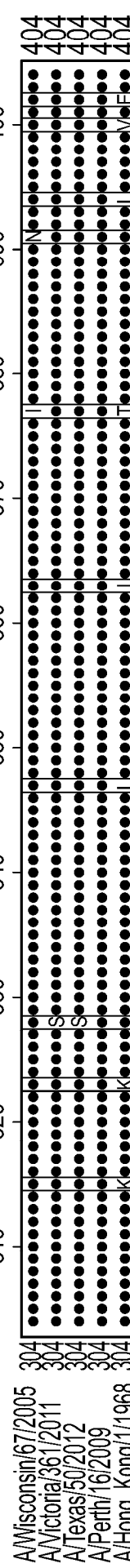
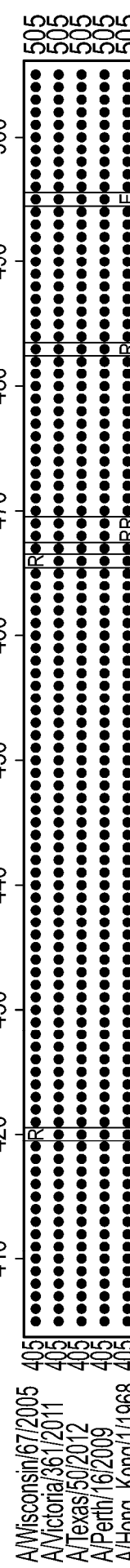
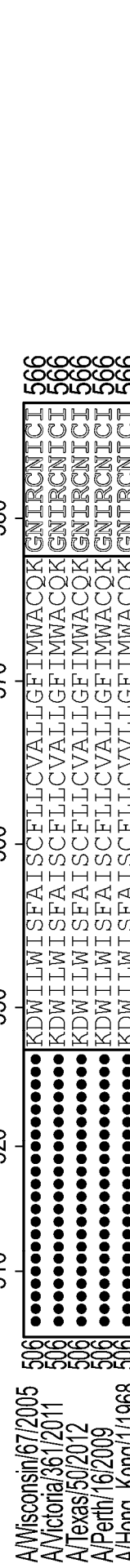


FIG. 3

Strain	Subtype	Amino Acid Sequence
A/PUERTO RICO/8/4	H1	Q-- ILAIYSTVASSL VLLVSLGAIS FWMCSN
A/JAPAN/305/57	H2	Q-- ILAIYATVAGLSLA IMMA GISFWMCSN
A/TURKEY/ONTARIO/7732/66	H5	Q-- ILSIYSTVASSL ALAImVAGLS FWMCSN
A/SHEARWATER/AUSTRALIA/72	H6	Q-- ILAIYSTVSSSL VLVGLIIAVGL WMCSN
A/TURKEY/ONTARIO/6118/68	H8	K--ILSIYSTVAASL CLAII LAGGLILGMQN
A/TURKEY/WISCONSIN/1/66	H9	K--ILTIYSTVASSL VLAMGF AFLFWAMSN
A/DUCK/ENGLAND/1/56	H11	K--ILSIYSCIASSL VLAALIM GFMFWACSN
A/DUCK/ALBERTA/60/76	H12	K--ILSIYSSVASSL VLLLLMI IGGFIFGCQN
A/GULL/MARYLAND/704/77	H13	K--ALSIYSCIASSV LVGLII SFIMWACSS
A/HONG KONG/1968 (X:31)	H3	(183) KDWILWISFAISCFLL CVVLL- GFIMWACQR (212) c-label f-label
A/MEMPHIS/1/71	H3	KDWILWISFAISCFLL CVVLL- GFIMWACQR
A/VICTORIA/3/75	H3	KDWILWISFAISCFLL CVVLL- GFIMWACQK
A/UDORN/307/72	H3	KDWILWISFAISCFLL CVVLL- GFIMTACQK
A/EQUINE/ALGIERS/72	H3	KDWILWISFAISCFLL CVVLL- GFIMWACQK
A/DUCK/CZECHOSLOVAKIA/56	H4	KDIILWISFSISCFLL VALLL-A FILWACQN
A/FPV/ROSTOCK/34	H7	KDVILWFSFGASCFLL IAV- GLV-FICVK
A/CHICKEN/GERMANY/N/49	H10	KDIILWFSFGASCFV LLA AVM-GLV-FFCLK
A/MALLARD/ASTRAKHAN/244/82	H14	KDIILWISFSMSCFV FV ALLIL-GFVLWACQN

FIG. 4