Phylogenetic analysis of influenza A(H3N2) HA genes

23/24 - 24/25, 25/26 vaccine strains in Japan

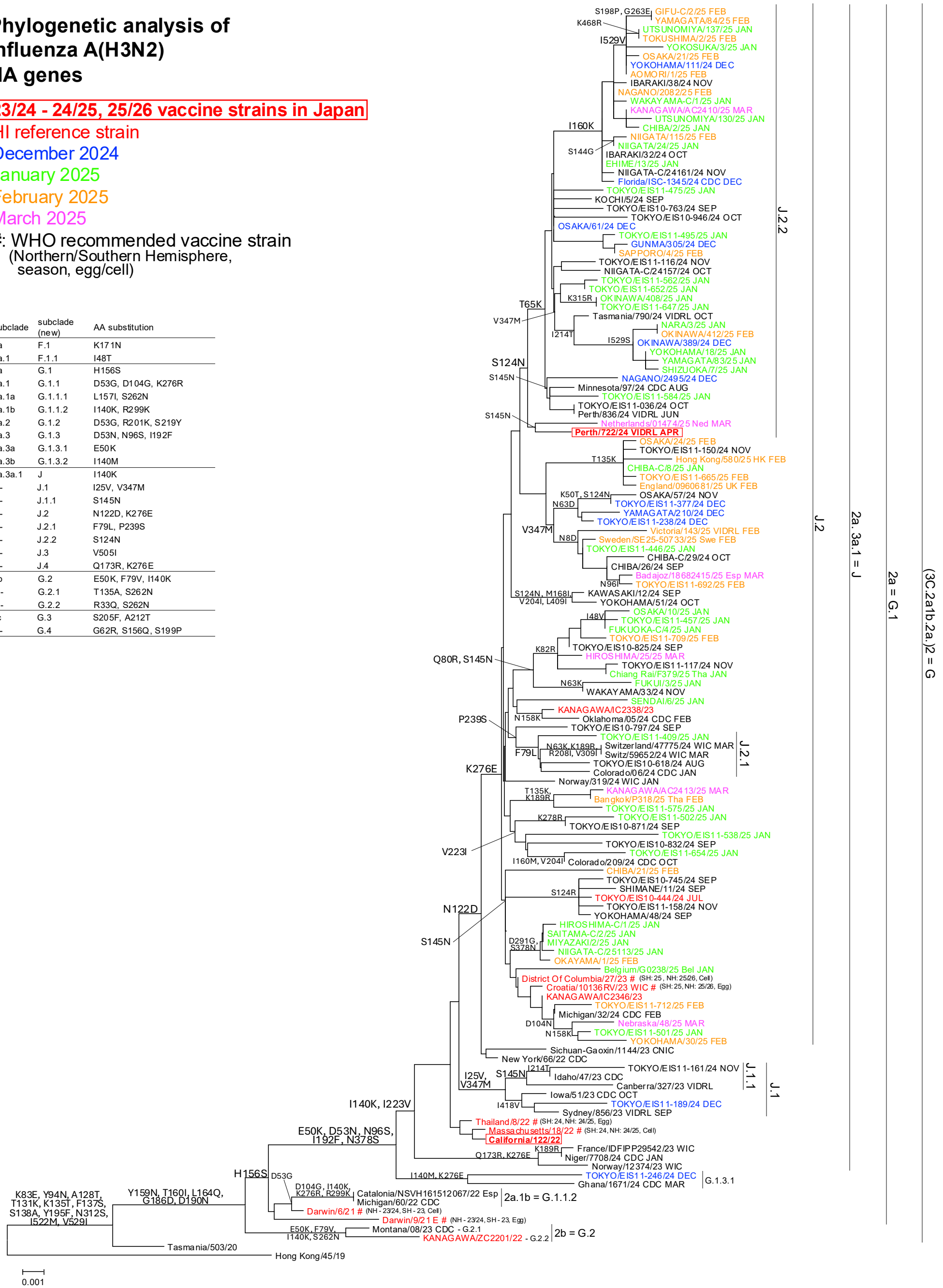
HI reference strain

December 2024

January 2025

February 2025

March 2025

#: WHO recommended vaccine strain
(Northern/Southern Hemisphere, season, egg/cell)

subclade	subclade (new)	AA substitution
1a	F.1	K171N
1a.1	F.1.1	I48T
2a	G.1	H156S
2a.1	G.1.1	D53G, D104G, K276R
2a.1a	G.1.1.1	L157I, S262N
2a.1b	G.1.1.2	I140K, R299K
2a.2	G.1.2	D53G, R201K, S219Y
2a.3	G.1.3	D53N, N96S, I192F
2a.3a	G.1.3.1	E50K
2a.3b	G.1.3.2	I140M
2a.3a.1	J	I140K
-	J.1	I25V, V347M
-	J.1.1	S145N
-	J.2	N122D, K276E
-	J.2.1	F79L, P239S
-	J.2.2	S124N
-	J.3	V505I
-	J.4	Q173R, K276E
2b	G.2	E50K, F79V, I140K
-	G.2.1	T135A, S262N
-	G.2.2	R33Q, S262N
2c	G.3	S205F, A212T
-	G.4	G62R, S156Q, S199P