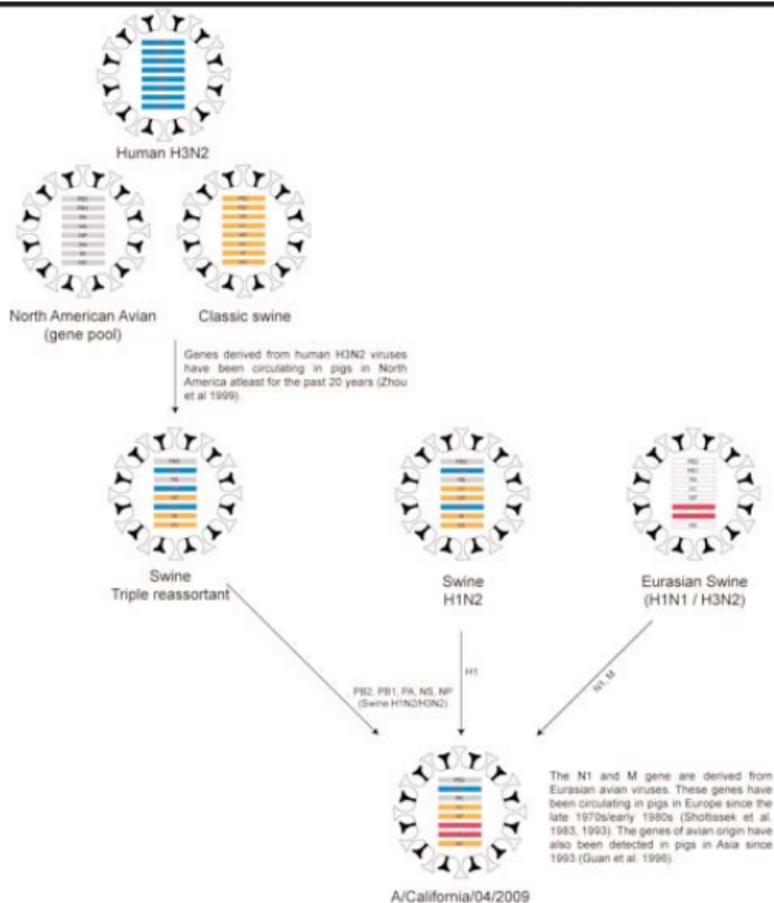


Figure 1

Schematic of the Reassortment History of the New Strain



Emergence pathway

PB2	- North American Avian	-> North American Swine (H1N2/H3N2)	-> A/California/04/2009
PB1	- Human H3N2	-> North American Swine (H1N2/H3N2)	-> A/California/04/2009
PA	- North American Avian	-> North American Swine (H1N2/H3N2)	-> A/California/04/2009
H1	- Classic swine	-> North American Swine (H1N2)	-> A/California/04/2009
NP	- Classic swine	-> North American Swine (H1N2/H3N2)	-> A/California/04/2009
N1	- Eurasian Avian	-> Eurasian swine	-> A/California/04/2009
M	- Eurasian Avian	-> Eurasian swine	-> A/California/04/2009
NS	- Classic swine	-> North American Swine (H1N2/H3N2)	-> A/California/04/2009