

Table S2 – HA sequences used for Fig. 1E – related to Figure 1

H1N1 Viruses	
A/South Carolina/1/1918	A/Colorado/14/2012
A/Wilson-Smith/1933	A/Lisboa_PT/137/2013
A/Puerto Rico/8/1934	A/Jordan/30219/2014
A/Alaska/1935	A/Novosibirsk/49/2015
A/Henry/1936	A/Laos/F2804/2016
A/Hickox/1940	A/Singapore/GP1206/2017
A/Bel/1942	A/Vermont/18/2018
A/Weiss/1943	A/California/222/2019
A/AA/Huston/1945	A/New_York/04/2020
A/Melbourne/1-MA/1946	A/Auckland/584/2000
A/Fort Monmouth/1/1947	A/New York/312/2001
A/Albany/4835/1948	A/New York/494/2002
A/Roma/1949	A/Michigan/4/2003
A/Albany/4836/1950	A/Denmark/16/2004
A/Albany/14/1951	A/Hamburg/1/2005
A/Malaya/302/1954	A/Berlin/6/2006
A/Denver/1957	A/Cambodia/17/2007
A/Wisconsin/301/1976	A/Florida/18/2008
A/Hong Kong/117/1977	A/Athens.GR/10043/2009
A/Memphis/13/1978	A/New York/3835/2010
A/Kiev/59/1979	A/Rio Grande do Sul/360/2011
A/India/6263/1980	A/Siena/10/1989
A/Baylor/4052/1981	A/Maryland/12/1991
A/Baylor/11515/1982	A/Wisconsin/4754/1994
A/Memphis/3/1983	A/New York/620/1995
A/Memphis/1/1984	A/Nanchang/17/1996
A/Mongolia/231/1985	A/Taiwan/3355/1997
A/New York/2924-1/1986	A/Hong Kong/1035/1998
A/Siena/4/1987	A/New Caledonia/20/1999
A/Ohio/3559/1988	