

Supplementary data

Supplementary Table 1. Antigenic analysis of oseltamivir-resistant H275Y variants and oseltamivir-sensitive A(H1N1)pdm09 viruses detected in Hunter New England health district.

Reference Antiserum

	CAL/7	AUCK/1	PHIL/344	ILLINOIS/9	BRIS/2013	BAY/69	BRIS/10	CHCH/16	PERTH/198	VIC/918	BRIS/70	
Reference Antigens	A/CALIFORNIA/7/2009	2560	640	640	640	2560	640	2560	1280	2560	5120	2560
	A/AUCKLAND/1/2009	5120	1280	640	1280	2560	320	640	320	1280	5120	2560
	A/PHILIPPINES/344/2004	1280	320	640	640	1280	160	1280	640	1280	2560	1280
	A/ILLINOIS/9/2007	2560	640	640	1280	2560	320	1280	640	1280	2560	1280
	A/BRISBANE/2013/2009	640	160	80	320	640	320	640	320	640	1280	640
	A/BAYERN/69/2009	<80	<40	<40	<40	40	320	160	40	40	<80	<40
	A/BRISBANE/10/2010	640	160	160	320	640	640	5120	2560	640	1280	1280
	A/CHRISTCHURCH/16/2010	2560	320	320	640	1280	1280	5120	2560	1280	2560	1280
	A/PERTH/198/2010	640	160	160	320	640	320	640	320	640	1280	1280
	A/VICTORIA/918/2010	2560	320	320	640	1280	320	1280	640	1280	1280	2560
A/BRISBANE/70/2011	1280	320	320	640	1280	640	1280	640	1280	1280	2560	
Oseltamivir-sensitive A(H1N1)pdm09 viruses	A/NEWCASTLE/24/2011	1280	160	160	320	640	640	640	640	640	320	640
	A/NEWCASTLE/55/2011	640	320	160	320	640	320	640	320	640	640	1280
	A/NEWCASTLE/25/2011	1280	320	160	320	640	320	640	320	640	640	640
	A/NEWCASTLE/69/2011	1280	320	320	640	640	320	1280	640	1280	1280	1280
	A/NEWCASTLE/72/2011	2560	320	160	640	1280	640	1280	640	1280	2560	1280
	A/NEWCASTLE/95/2011	640	160	160	160	640	320	640	320	640	1280	640
	A/NEWCASTLE/129/2011	320	160	<40	80	640	320	640	320	1280	640	640
	A/NEWCASTLE/53/2011	1280	320	320	320	1280	320	640	320	640	1280	1280
Oseltamivir-resistant H275Y A(H1N1)pdm09 viruses	A/NEWCASTLE/62/2011	1280	320	320	640	1280	320	640	640	640	1280	2560
	A/NEWCASTLE/132/2011	640	160	160	320	640	160	640	320	640	1280	640
	A/NEWCASTLE/151/2011	640	160	160	320	640	160	640	320	640	1280	640
	A/NEWCASTLE/85/2011	640	160	160	320	640	320	640	320	1280	1280	1280
	A/NEWCASTLE/89/2011	640	160	160	320	1280	320	640	320	1280	1280	1280
	A/NEWCASTLE/17/2011	640	160	160	160	160	320	640	640	320	640	640
	A/NEWCASTLE/82/2011	1280	320	320	640	1280	320	640	320	1280	1280	1280
	A/NEWCASTLE/37/2011	1280	320	320	640	1280	320	640	640	1280	2560	1280
	A/NEWCASTLE/2/2011	1280	320	320	640	1280	320	1280	640	640	1280	1280

Supplementary Figure 1. Comprehensive phylogenetic trees of hemagglutinin (A) and neuraminidase (B) sequences of oseltamivir- resistant H275Y variants and oseltamivir-sensitive wild type A(H1N1)pdm09 viruses detected in Hunter New England health district since March 2011 together with global strains downloaded from GISAID

See separate files