

Virus	Nucleotide identity (%)							
	PB2	PB1	PA	HA	NP	NA	M	NS
Human 2009	0.005746	0.000945	0.000765	0.002228	0.001619	0.002117	0.001086	0.001497
North America and Asia								
A/swine/Korea/CAS08/2005(H1N1)	0.01076 (EU798919)		0.007756 (EU798879)	0.010577 (EU798779)	0.005617 (EU798839)			0.005172 (EU798859)
A/swine/Korea/CAN01/2004(H1N1)	0.010431 (EU798918)		0.007756 (EU798878)	0.010811 (EU798778)	0.005681 (EU798838)			0.005282 (EU798858)
A/swine/Ohio/24366/2007(H1N1)	0.01104 (EU409946)	0.00752 (EU409945)	0.009363 (EU409947)	0.008462 (EU409948)	0.006838 (EU409950)			0.006392 (EU409952)
A/swine/OH/511445/2007(H1N1)	0.01104 (EU604691)	0.00752 (EU604692)	0.009338 (EU604693)	0.008287 (EU604689)	0.006722 (EU604694)			0.006041 (EU604696)
A/swine/NC/00573/2005(H1N1)	0.011109 (FJ638303)	0.006285 (FJ638304)	0.008619 (FJ638305)	0.030147 (FJ638306)	0.005552 (FJ638307)			0.008192 (FJ638310)
A/swine/IL/00685/2005(H1N1)	0.011189 (FJ638295)	0.006461 (FJ638296)	0.008619 (EU638297)	0.030005 (FJ638298)	0.00562 (FJ638299)			0.008274 (FJ638302)
A/Iowa/CEID23/2005(H1N1)	0.011031 (DQ889682)	0.007217 (DQ889683)	0.007684 (DQ889684)					
A/Wisconsin/10/98 (H1N1)		0.004991 (AF342823)						
Europe and Asia								
A/swine/Chachoengsao/NIAH587/2005(H1N1)						0.011828 (AB434330)	0.003216 (AB434331)	
A/swine/Chonburi/NIAH589/2005(H1						0.01182	0.003216	

N1)						(AB434322)	(AB434323)	
A/Swine/Spain/50047/2003(H1N1)						0.011508	0.007401	
						(CY009894)	(CY009893)	
A/swine/Zhejiang/1/2007(H1N1)						0.011525	0.006403	
						(FJ415611)	(FJ415612)	
swine/Ille et Vilaine/1455/99 (H1N1)						0.009992	0.005982	
						(AJ410882)	(AJ316061)	
A/swine/Spain/53207/2004(H1N1)						0.010479	0.008163	
						(CY010582)	(CY010581)	
A/swine/Spain/51915/2003(H1N1)						0.010479	0.008038	
						(CY010574)	(CY010573)	
A/swine/Chonburi/NIAH977/2004(H1N1)						0.011158		
						(AB434314)		
A/swine/Chonburi/NIAH9469/2004(H1N1)						0.011449		
						(AB434306)		
A/swine/Ratchaburi/NIAH550/2003(H1N1)						0.011389		
						(AB434298)		
A/swine/Ratchaburi/NIAH1481/2000(H1N1)						0.010843		
						(AB434290)		
To swine viruses before 1998	0.029144	0.028341	0.029507	0.024746	0.028335		0.027009	0.010208
To swine viruses before 1988	0.086602	0.074493	0.085181		0.053994	0.092917	0.04117	0.075962