

Supplementary Table S3 - NA amino acid mutation statistics of 147 Taiwanese H1N1pdm viruses

From	To	1st season (2009/2010)										2nd season (2010/2011)								SUM	Mutation Frequency %
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	May	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
11G	G										1								1	0.68	
15M	I										1	1	2	2	4		2		12	8.16	
26I	V						1												1	0.68	
29I	V														1				1	0.68	
34I	T								1										1	0.68	
38I	L															1	2		3	2.04	
44N	S													3	1	6	9	9	28	19.05	
48T	P														1				1	0.68	
50N	D													1					1	0.68	
51Q	P		1																1	0.68	
72T	I				1														1	0.68	
74F	L												1		3		1		5	3.40	
76A	V									1					1				1	0.68	
82S	P					1			1			1							3	2.04	
83V	A												1	1			2		4	2.72	
93P	S												1						1	0.68	
105S	N											1							1	0.68	
106V	I	13	5	7	14	9	8	9	8	2	1	6	5	7	6	8	18	20	146	99.32	
127L	S															1	3		4	2.72	
143K	I														1				1	0.68	
149I	F											1							1	0.68	
153S	T					1													1	0.68	
166V	I				1														1	0.68	
188I	V							1											1	0.68	
189N	S											1	3	2	4		2		12	8.16	
203V	M						1												1	0.68	
211I	V				3														3	2.04	
222N	K	1																	1	0.68	
	S			1															1	0.68	
223I	T								1										1	0.68	
229S	F																	1	1	0.68	
237S	F																	2	2	1.36	

240T	I															2		2	1.36	
241V	I													3	1	7	13	12	36	24.49
	M																1	1	0.68	
247S	N															1		1	0.68	
248N	D	13	5	7	14	9	8	9	8	2	2	6	5	7	6	8	18	20	147	100.00
249G	R																1	1	0.68	
254K	R							1										1	0.68	
257R	K												1					1	0.68	
275H	Y																1	1	0.68	
295N	K															2		2	1.36	
299S	A															3	7	10	6.80	
308Q	H													1	3			4	2.72	
309N	D																1	1	0.68	
311E	D															2		2	1.36	
313Q	R												1					1	0.68	
331K	R															1	1	2	1.36	
339S	P																	1	0.68	
354G	D																1	1	0.68	
365I	T											2	1	2	3			8	5.44	
	F																1	1	0.68	
369N	K													3	1	7	13	13	37	25.17
374I	V																3	7	10	6.80
375W	C	1																1	0.68	
381T	N			2														2	1.36	
386N	S											2	1	1				4	2.72	
	K										1				1			2	1.36	
389I	V														1	1		2	1.36	
394V	I							2					1		1	1		5	3.40	
397N	K										1							1	0.68	
	I																1	1	0.68	
404G	R	1																1	0.68	
415L	M																	1	0.68	
416D	N			2														2	1.36	
430R	Q								1									1	0.68	
436I	V												1					1	0.68	

438T	I													1					1	0.68
439S	G																	1	1	0.68
442S	I						2	2											4	2.72
448V	I					1													1	0.68
454G	S															1	1		2	1.36
	V																1		1	0.68
462E	K									1									1	0.68
466T	I													1					1	0.68
Accumulated mutations		29	11	19	33	21	20	22	22	5	7	21	24	35	35	48	97	101	550	
Monthly sample count		13	5	7	14	9	8	9	8	2	2	6	5	7	6	8	18	20	147	
Mutations per sample		2.23	2.20	2.71	2.36	2.33	2.50	2.44	2.75	2.50	3.50	3.50	4.80	5.00	5.83	6.00	5.39	5.05	3.74	