

(a) S

Group	Strain	Sequence	Position	
Group 1	CY777	.....	95
	LIC	.....	95
	SM98	.....	95
	R17/07	.....	95
	attenuated_DR13	.....	95
	MS	.....	95
	83P-5	.....	95
	CH/IME/06	.....	95
	CH/HLJG/2010	.....	95
	CH/JL/09	.....	95
Group 2	CH/GGS/09	.....	95
	CH/HLJQ/2010	.....	95
	CH/S	.....	95
	S	.....	95
	BJ-2011-1	.....	95
	CH/HLJM/07	.....	95
	BJ2010	.....	95
	CH/FJND-3/2011	.....	95
	J5-2004-2	.....	95
	CH/JSK/06	.....	95
Group 3	CH/HLJ/06	.....	95
	CH/BNCB/06	.....	95
	CH/GSJ/07	.....	95
	LJB/03	.....	95
	VIOLENT_DR13	.....	95
	CHD-01	.....	95
	Group 4	CH/1M/06	95
		CH/1L/09	95
		CH/1G/06	95
		CH/1K/07	95
CH/1M/07		.....	95
CH/1M/06		.....	95
CH/1M/07		.....	95
CH/1M/06		.....	95
CH/1M/07		.....	95
CH/1M/06		.....	95

(b) ORF3

Group	Strain	Sequence	Position	
Group 1	CY777	.....	100
	LIC	.....	100
	SM98	.....	100
	R17/07	.....	100
	attenuated_DR13	.....	100
	MS	.....	100
	83P-5	.....	100
	CH/IME/06	.....	100
	CH/HLJG/2010	.....	100
	CH/JL/09	.....	100
Group 2	CH/GGS/09	.....	100
	CH/HLJQ/2010	.....	100
	CH/S	.....	100
	S	.....	100
	BJ-2011-1	.....	100
	CH/HLJM/07	.....	100
	BJ2010	.....	100
	CH/FJND-3/2011	.....	100
	J5-2004-2	.....	100
	CH/JSK/06	.....	100
Group 3	CH/HLJ/06	.....	100
	CH/BNCB/06	.....	100
	CH/GSJ/07	.....	100
	LJB/03	.....	100
	VIOLENT_DR13	.....	100
	CHD-01	.....	100
	Group 4	CH/1M/06	100
		CH/1L/09	100
		CH/1G/06	100
		CH/1K/07	100
CH/1M/07		.....	100
CH/1M/06		.....	100
CH/1M/07		.....	100
CH/1M/06		.....	100
CH/1M/07		.....	100
CH/1M/06		.....	100

(c) N

Group	Strain	Sequence	Position	
Group 1	CY777	.....	420
	LIC	.....	420
	SM98	.....	420
	R17/07	.....	420
	attenuated_DR13	.....	420
	MS	.....	420
	83P-5	.....	420
	CH/IME/06	.....	420
	CH/HLJG/2010	.....	420
	CH/JL/09	.....	420
Group 2	CH/GGS/09	.....	420
	CH/HLJQ/2010	.....	420
	CH/S	.....	420
	S	.....	420
	BJ-2011-1	.....	420
	CH/HLJM/07	.....	420
	BJ2010	.....	420
	CH/FJND-3/2011	.....	420
	J5-2004-2	.....	420
	CH/JSK/06	.....	420
Group 3	CH/HLJ/06	.....	420
	CH/BNCB/06	.....	420
	CH/GSJ/07	.....	420
	LJB/03	.....	420
	VIOLENT_DR13	.....	420
	CHD-01	.....	420
	Group 4	CH/1M/06	420
		CH/1L/09	420
		CH/1G/06	420
		CH/1K/07	420
CH/1M/07		.....	420
CH/1M/06		.....	420
CH/1M/07		.....	420
CH/1M/06		.....	420
CH/1M/07		.....	420
CH/1M/06		.....	420