

Additional file 1. Information of pestivirus strains with E2 protein expression

Species	Virus	Isolate	genotype	GenBank accession number
<i>Pestivirus bovis</i>	BVDV	XH32	1a	
<i>Pestivirus bovis</i>	BVDV	Bega-like	1c	KF896608
<i>Pestivirus bovis</i>	BVDV	BJ1201	1d	KT943518
<i>Pestivirus bovis</i>	BVDV	Carlito	1e	KP313732
<i>Pestivirus bovis</i>	BVDV	LO/151/09	1f	MW054939
<i>Pestivirus bovis</i>	BVDV	UM/111/06	1g	MW054936
<i>Pestivirus bovis</i>	BVDV	CH-04-01b	1h	MW655625
<i>Pestivirus bovis</i>	BVDV	ACM/BR/2016	1i	KX857724
<i>Pestivirus bovis</i>	BVDV	KS86-1ncp	1j	AB078950
<i>Pestivirus bovis</i>	BVDV	SuwaNcp	1k	KC853440
<i>Pestivirus bovis</i>	BVDV	Shitara/02/06	1n	LC089876
<i>Pestivirus bovis</i>	BVDV	IS26/01ncp	1o	LC089875
<i>Pestivirus bovis</i>	BVDV	3877	1p	MW013505
<i>Pestivirus bovis</i>	BVDV	SD0803	1q	JN400273
<i>Pestivirus bovis</i>	BVDV	M31182	1u	JQ799141
<i>Pestivirus bovis</i>	BVDV	CHN/HB-03/2017	1v	ON901785
<i>Pestivirus tauri</i>	BVDV	890	2a	NC_039237
<i>Pestivirus tauri</i>	BVDV	SD1301	2b	KJ000672
<i>Pestivirus tauri</i>	BVDV	SH2210-23	2c	HG426494
<i>Pestivirus suis</i>	CSFV	LPC	1.1	
<i>Pestivirus suis</i>	CSFV	HCLV	1.1	Z46258

<i>Pestivirus suis</i>	CSFV	SM	1.1	AY775178
<i>Pestivirus suis</i>	CSFV	BRESCIAX	1.2	AY578687
<i>Pestivirus suis</i>	CSFV	CSF0650	1.3	JX028200.1
<i>Pestivirus suis</i>	CSFV	CSF1056	1.4	JX028202.1
<i>Pestivirus suis</i>	CSFV	CN021	2.1a	
<i>Pestivirus suis</i>	CSFV	CN069	2.1b	
<i>Pestivirus suis</i>	CSFV	CN033	2.1c	
<i>Pestivirus suis</i>	CSFV	CN049	2.1g	
<i>Pestivirus suis</i>	CSFV	CN057	2.1h	
<i>Pestivirus suis</i>	CSFV	CN063	2.1i	
<i>Pestivirus suis</i>	CSFV	CN068	2.1j	
<i>Pestivirus suis</i>	CSFV	CN002	2.2	
<i>Pestivirus suis</i>	CSFV	CN018	2.3	
<i>Pestivirus suis</i>	CSFV	CSF0410	3.1	JQ411575
<i>Pestivirus suis</i>	CSFV	JJ9811	3.2	KF669877
<i>Pestivirus suis</i>	CSFV	94.4/IL/94/TWN	3.4	AY646427
<i>Pestivirus ovis</i>	BDV	X818	1	AF037405
<i>Pestivirus antilocaprae</i>	PAPeV			AY781152
<i>Pestivirus australiaense</i>	PPeV	Bungowannah		NC 023176
<i>Pestivirus giraffae</i>	GPeV	H138		AF144617
<i>Pestivirus brazilense</i>	HobiPeV	Th/04_KhonKaen		NC_012812
<i>Pestivirus aydinense</i>	AydinPeV	04-TR		NC 018713
<i>Pestivirus ratti</i>	RPeV	NrPV/NYC-D23		NC 025677
<i>Pestivirus scrofae</i>	APPeV	515		NC 038964
<i>Pestivirus N</i>	TSV	92019/2007/AG		MZ664274
<i>Pestivirus O</i>	ovIT PeV	Ovine/IT/1756/17		MG770617.1
