



Supplementary materials

IDensis-Date:									
!Domain=Data; #BatMRV1-IT2011	MENCLIGHTE	D THE OF BOOM	NCGIDVELVE	TEROT	DIDIMNUDID	GIRCOURGIG		CRUDCDIUDI	1 001
#C/bovine/Indiana/MRV00304/2014							DSVAAIERRL		[80] [80]
#T1/bovine/Maryland/Clone23/59									[80]
#Porcine_reovirus_SHR-A									[80]
#MRV1_Lang							N.ISTS		[80]
#MRV2_Jones							VR.SSGV		[80]
#MRV3_Abney	PR.RE.VV	.LIIASD.	GI.LS.G.ES	RVSAL. KTSQ	IHSD.IIT	QGLDDANKRI	IALEQSRDD.	VASVSDAQLA	[80]
#BatMRV1-IT2011	TNOT TOT SNS	VCONTODICS	MONDIDATED		NT ACDTOTT F	ADVCCTREET	SALTTRVTTE	VARIDATICA	[160]
#C/bovine/Indiana/MRV00304/2014									[160]
#T1/bovine/Maryland/Clone23/59							I		[160]
#Porcine_reovirus_SHR-A									[160]
#MRV1 Lang							A		[160]
#MRV1_Jones							GS.N		[160]
#MRV2_Jones #MRV3_Abney			-	-			TTELSTL.LR	-	[160]
#MRV3_Abliey	ISK.ESSIGA	LQIVVNGLD.	SVIQ.G.RVG	QUEIGUMEUK	VDHDNLVARV	DIALKNIGS.	TIELSIL.LR	.ISTQ.DELS	[100]
#BatMRV1-IT2011	GOTSLTGLSS	RIDAAEAAMV	TTAGOGLEKD	GNTLNVIVGN	GMWENNSNOL	OLDI.SGOAKG	VGFEGSGMVA	KIDTNYESYN	[240]
#C/bovine/Indiana/MRV00304/2014	-		-		-				[240]
#T1/bovine/Maryland/Clone23/59							G.V		[240]
#Porcine_reovirus_SHR-A							IN		[240]
#MRV1_Lang							V.TV		[240]
#MRV1_Hang #MRV2_Jones			-				MVVKIDTQYF		[240]
#MRV2_cones #MRV3_Abney		-	-				NTDQFQIVNN		[240]
#MKV5_ADRey	KISI.EKIAV	ISAG.FLSIK	NNNHIMGLN.	. L SGINILA	IKLEG. IGLN	IQNGGL.FRF	NIDGEGIVNN	NEILKIIVED	[240]
#BatMRV1-IT2011	SNGEITLVSO	INGLPARVSS	LESLKIDTIL	PPLTVREASG	IRTLSLGYDT	SDFTIINSVL	ALRSRLTLPT	YRYPLELDAS	[320]
#C/bovine/Indiana/MRV00304/2014							s		[320]
#T1/bovine/Maryland/Clone23/59							s		[320]
#Porcine_reovirus_SHR-A							S AK		[320]
#MRV1_Lang							S		[320]
#MRV2 Jones	N.NISG.PAR	TGS.E.SRID	VVAPPLVIOS	TGS.RLLRLM	YEAVDFVVTN	NVL.LR.RSV	TPTFKFP.EL	NSADNSVSIH	[320]
#MRV3_Abney			-				.DV.GGIGMS		[320]
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#BatMRV1-IT2011	NNRVQIAERF	GMRTGSWTGQ	LQYQHPQLSW	QTSVTVNLMK	VDDWLVLSFA	QMTTNGIMAD	GKFVINFVSG	LSSGWQTGET	[400]
#C/bovine/Indiana/MRV00304/2014				. AN	т	G	TL		[400]
#T1/bovine/Maryland/Clone23/59				. AN	т	s	IL		[400]
#Porcine_reovirus_SHR-A	M		N.	.AN	T	G	TS		[400]
#MRV1_Lang	V.D	T		RANL	s	s		D.	[400]
#MRV2_Jones	R.YRIRLGQW	SGQLEYH.PS	. RWNA . VTVN	LMR.DDW.IL	SFTRFST.GI	LASGKFVLNF	VTGLSPGWAT	G. TEPS. TTN	[400]
#MRV3_Abney	IGI.SYSGSG	LNWRVQVNSD	IFIVDDYIHI	CLPAFNGFSI	A.GGDLSLNF	VTGLLPPLLT	.DTEPA.HND	VVTYGAQTVA	[400]
#BatMRV1-IT2011	QPSSTTDPLS	TTFAAVQFLN	ASGNRVDAFR	IMGVSEWTDG	ELEIKNYGGT	YTGHTQVYWA	PWTIMYPCNV	R* [472]	
<pre>#C/bovine/Indiana/MRV00304/2014</pre>		YY	T	v		s		[472]	
#T1/bovine/Maryland/Clone23/59		YY	.G.T	I		s		[472]	
#Porcine_reovirus_SHR-A		.A.VY.K	T	V				[472]	
#MRV1_Lang	EW.		NQ.I					[472]	
#MRV2_Jones	PL.T.FAAIQ	FINGSSRVDA	FRILG. AEWN	AGELEITNY.	GTYTAHTNVD	WAPM.IM.PC	LG*	[472]	
#MRV3_Abney	IGL.SGGAPQ	YMSKNLWVEQ	WQDGVLRLRV	EG.G.ITHSN	SKWPAMTVSY	PRSF.*		[472]	

Figure S1. Deduced amino acid sequences of the σ1 protein of BatMRV1-IT2011 and the strains T1/bovine/Maryland/Clone23/59, C/bovine/Indiana/MRV00304/2014T3D/55, Porcine_reovirus_SHR-A, MRV type 1 Lang, MRV type 2 Jones and MRV type 3 Abney.



Figure S2. Virusneutralization: presence of neutralizing antibodies against BatMRV1-IT2011, MRV Type 1 Lang, Type 2 Jones and Type 3 Abney in serum samples of different species.