

## **Supplementary Data 1-2.**

### ***Journal of Virology***

#### **Generation of an avian/mammalian rotavirus reassortant using a helpervirus-dependent reverse genetics system**

Reimar Johne\*, Jochen Reetz, Benedikt B. Kaufer, Eva Trojnar

\*corresponding author:

R. Johne, Federal Institute for Risk Assessment, Max-Dohrn-Straße 8-10, 10589 Berlin,  
Germany,

Email: Reimar.Johne@bfr.bund.de

**Suppl. Data 1.** Primers used for identification of genome segments of RVA strains SA11 and 02V0002G3 using multiplex RT-PCR.

genome segment (gene)	sequence (5'-3')	product length (SA11)	product length (02V0002G3)
1 (VP1)	AAACATACRMGAGAATACGCTGA TGTTTGTTCATAGTCATTAGTTTA GTTAGAAATACGTGACAAAACC	398 bp	198 bp
2 (VP2)	CGTAATAGATGGTATTGGAAATT CACATATCTGAGCTGTCTCTTT CTGGTATGTAATTGAAAATGATA	399 bp	198 bp
3 (VP3)	ATTTTCATGATTATTCATATTATAC GTATATAATATCATCGTCAGTA TTTGAAAATTGTTTTATAGTTGG	420 bp	196 bp
4 (VP4)	CCATTTGCGCAAACAGGTTATGC CGAGCATATTTTTGGTCTGTGG TTCATAACTGCATATAATTTTCG	391 bp	196 bp
5 (NSP1)	AGATCTTGTAAGGAAAACAGAA AAATGGTGTGTTCCAGAACAGAA TCAGATAACTCTTTCCACACGG TGGACATTCTTGTAAGTTAATA	399 bp	202 bp
6 (VP6)	CGMAATTTTGATACTATTAGACT AGTCCGGTAACAATTGACAAGT GATATAGCTACATACTCACCAAA	399 bp	199 bp
7 (NSP3)	TGACAGAAAGATAGAATATGAT GAATATGGGAATAGAATATGAT TTTTGAGACAGTATATTGAGTAG CCATTTTTTCATCCACAAATGAA	397 bp	195 bp
8 (NSP2)	AATTC AAGAGGSATGAATTTTGA ATCAAATTTGGATCGTCAGAAA CTGAAATTGGTTTATCTTCGTT	399 bp	199 bp
9 (VP7)	GGATATTASTYTGTATTATTATCA TTAACGCCGTCAACAACATCAA CTGATCTACATAGTCTACTACA	411 bp	197 bp
10 (NSP4)	GAGCSCGTGCGGAAAGATGGA AGATCCAGCAACTGTCTTTGTC ACTCTACTTGTTCAATTTACAG	391 bp	204 bp
11 (NSP5)	GGTCACAAAACGGGAGTGGGGA GGCCAAAATTGATTATCAGTCA ACAAATGCAGACGCTGGCGTG	399 bp	199 bp

**Suppl. Data 2.** Nucleotide and deduced amino acid exchanges identified in the cloned VP4 gene (GenBank acc.-no. KT239165) as compared to that of the published sequence of chicken RVA strain 02V0002G3 (GenBank acc.-no. FJ169856).

---

<b>nucleotide exchange</b>	<b>amino acid exchange</b>	<b>comments</b>
C90T	-	silent
C487A	H160N	N also in other avian strains (e.g. PO-13, AB009632)
G490A	G161R	R also in other avian strains (e.g. Ch06V0661, EU486962)
A521G	K171R	R also in other avian strains (e.g. Tu03V0002E10, EU486958)
T529G	L174V	V also in other avian strains (e.g. PO-13, AB009632)
G903A	-	silent
A971G	N321S	S is unique in this clone
A1008T	L333F	F in all other avian strains (e.g. Ch06V0661, EU486962)
A1333G	R442G	G also in other strains (e.g. RF, U65924)

---