

S1 Table

FMDV RNA quantities (\log_{10} genome copy number [GCN]/ml) in nasal- and oral swabs and serum from non-vaccinated and vaccinated cattle. Neg= below limit of detection (1.57 \log_{10} GCN/ml). NA=sample not collected. '-'=Animal euthanized prior to this time point. 'post inoc.'=samples collected directly after inoculation

Non-Vaccinated Category I (pre-viremic/pre-clinical at time of euthanasia)											
Animal ID	Sample type	Time point (hpi)									
		0	post inoc.	4	6	8	10	12	24	48	72
1	Nasal swab	Neg	5.34	6.11	4.87	3.44	3.76	4.54	-	-	-
	Oral swab	Neg	5.22	5.19	3.27	4.20	3.06	3.21	-	-	-
	Serum	Neg	NA	NA	NA	NA	NA	Neg	-	-	-
2	Nasal swab	Neg	7.81	5.90	3.79	3.34	3.66	3.93	-	-	-
	Oral swab	Neg	5.53	5.42	3.48	3.34	3.20	3.60	-	-	-
	Serum	Neg	NA	NA	NA	NA	NA	Neg	-	-	-
3	Nasal swab	Neg	5.72	NA	NA	NA	NA	NA	4.89	-	-
	Oral swab	Neg	5.86	NA	NA	NA	NA	NA	2.96	-	-
	Serum	Neg	NA	NA	NA	NA	NA	NA	Neg	-	-
4	Nasal swab	Neg	6.65	NA	NA	NA	NA	NA	5.79	6.63	-
	Oral swab	Neg	3.47	NA	NA	NA	NA	NA	3.62	4.11	-
	Serum	Neg	NA	NA	NA	NA	NA	NA	Neg	2.61*	-
5	Nasal swab	Neg	5.65	NA	NA	NA	NA	NA	4.48	5.01	6.59
	Oral swab	Neg	5.23	NA	NA	NA	NA	NA	3.35	3.61	6.91
	Serum	Neg	NA	NA	NA	NA	NA	NA	Neg	Neg	3.35*

*Serum samples positive by qRT-PCR but negative by virus isolation

Non-Vaccinated Category II (viremic/pre-clinical at time of euthanasia)							
Animal ID	Sample type	Time point (hpi)					
		0	post inoc.	24	48	72	96
6	Nasal swab	Neg	6.71	4.52	5.49	6.83	6.82
	Oral swab	Neg	5.39	3.25	4.91	5.33	7.01
	Serum	Neg	NA	Neg	Neg	Neg	3.37
7	Nasal swab	Neg	6.86	5.58	-	-	-
	Oral swab	Neg	6.13	3.37	-	-	-
	Serum	Neg	NA	3.46	-	-	-

Non-Vaccinated Category III (viremic/clinical at time of euthanasia)

Animal ID	Sample type	Time point (hpi)					
		0	<i>post inoc.</i>	24	48	72	96
8	Nasal swab	Neg	8.03	5.43	3.90	-	-
	Oral swab	Neg	5.90	4.83	6.69	-	-
	Serum	Neg	NA	3.34	5.95	-	-
9	Nasal swab	Neg	6.03	Neg	4.45	8.30	-
	Oral swab	Neg	4.26	Neg	4.50	11.02	-
	Serum	Neg	NA	Neg	6.20	7.94	-
10	Nasal swab	Neg	6.51	5.52	5.84	7.24	7.02
	Oral swab	Neg	7.27	5.34	6.24	9.05	8.65
	Serum	Neg	NA	3.97	6.69	7.89	8.37

Vaccinated Cattle

Animal ID	Sample type	Time point (hpi)				
		0	<i>post inoc.</i>	24	48	72
11	Nasal swab	Neg	6.36	5.46	-	-
	Oral swab	Neg	5.08	5.21	-	-
	Serum	Neg	NA	Neg	-	-
12	Nasal swab	Neg	6.66	3.45	-	-
	Oral swab	Neg	5.14	Neg	-	-
	Serum	Neg	NA	Neg	-	-
13	Nasal swab	Neg	5.91	Neg	Neg	-
	Oral swab	Neg	5.11	Neg	Neg	-
	Serum	Neg	NA	Neg	Neg	-
14	Nasal swab	Neg	6.37	Neg	Neg	-
	Oral swab	Neg	5.03	Neg	Neg	-
	Serum	Neg	NA	Neg	Neg	-
15	Nasal swab	Neg	6.60	4.82	Neg	Neg
	Oral swab	Neg	Neg	4.56	Neg	Neg
	Serum	Neg	NA	Neg	Neg	Neg
16	Nasal swab	Neg	6.95	3.30	Neg	Neg
	Oral swab	Neg	5.69	Neg	Neg	Neg
	Serum	Neg	NA	Neg	Neg	Neg