

Table 1. Delivered dose as determined by back titration of inoculum following day 0 challenge.

Virus/Lot no.	Target Dose	Back Titer
PRVABC59 040516-BAS	2.0x10 ⁶	1.5x10 ⁶
	2.0x10 ⁵	1.8x10 ⁵
	2.0x10 ⁴	1.1x10 ⁴
IbH30656 041416-BAS	2.0x10 ⁶	7.8x10 ⁵
	2.0x10 ⁵	6.7x10 ⁴
	2.0x10 ⁴	5.5x10 ³
PLCaI_ZV 092616-BAS	2.0x10 ⁶	1.3x10 ⁶
	2.0x10 ⁵	1.8x10 ⁵
	2.0x10 ⁴	5.9x10 ³

Table 2. PRVABC59 genome copies in serum detected by quantitative RT-PCR.

[illegible]

Table 3. PLCal_ZV genome copies in serum detected by quantitative RT-PCR.

Animal	Dose	Sex	Day Post Infection (Genome Copies/mL)														
			0	1	2	3	4	5	6	7	8	9	10	15	20	25	30
5367	1.0x10 ⁶	M	0.00E0	3.86E4	5.90E5	3.57E5	6.29E2	2.31E2	3.26E2	0.00E0	1.12E2	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5372	1.0x10 ⁶	M	0.00E0	4.28E4	2.37E5	1.37E4	3.92E2	9.96E1	6.01E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5379	1.0x10 ⁶	F	0.00E0	1.17E4	4.26E5	9.63E4	2.92E4	1.46E3	9.34E1	4.28E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5377	1.0x10 ⁶	F	0.00E0	6.14E5	1.17E6	2.52E5	2.05E3	4.44E2	2.84E2	6.88E1	2.18E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			0.00E0	1.77E5	6.06E5	1.80E5	8.07E3	5.59E2	1.91E2	2.79E1	3.35E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5369	1.0x10 ⁵	M	0.00E0	3.11E3	5.41E4	7.08E4	6.47E2	2.87E2	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5358	1.0x10 ⁵	M	6.68E1	2.43E3	5.39E4	2.22E5	2.29E5	3.16E3	8.66E1	4.26E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5380	1.0x10 ⁵	F	0.00E0	7.04E3	9.03E4	9.11E4	3.21E4	1.15E3	1.22E2	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5384	1.0x10 ⁵	F	1.26E1	7.72E3	1.56E5	1.67E5	5.90E4	8.15E2	2.28E2	6.41E1	0.00E0	0.00E0	0.00E0	0.00E0	2.89E1	0.00E0	0.00E0
Average			1.99E1	5.08E3	8.86E4	1.38E5	8.02E4	1.35E3	1.09E2	2.67E1	0.00E0	0.00E0	0.00E0	0.00E0	7.23E0	0.00E0	0.00E0
5370	1.0x10 ⁴	M	0.00E0	3.60E2	9.78E3	7.53E4	2.00E5	2.83E4	7.20E2	3.56E2	0.00E0	5.71E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5359	1.0x10 ⁴	M	7.07E1	1.12E2	3.19E3	2.42E4	2.42E4	2.21E5	2.74E4	7.75E2	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5392	1.0x10 ⁴	F	0.00E0	2.93E2	1.68E3	3.88E4	7.05E5	7.02E5	2.20E4	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5383	1.0x10 ⁴	F	0.00E0	1.28E2	7.13E3	6.25E4	8.26E4	9.46E5	7.55E4	1.23E3	1.04E2	0.00E0	6.50E1	0.00E0	0.00E0	0.00E0	0.00E0
Average			1.77E1	2.23E2	5.45E3	5.02E4	2.53E5	4.74E5	3.14E4	5.90E2	2.60E1	1.43E1	1.63E1	0.00E0	0.00E0	0.00E0	0.00E0

Table 4. IbH30656 genome copies in serum detected by quantitative RT-PCR.

Animal	Dose	Sex	Day Post Infection (Genome Copies/mL)														
			0	1	2	3	4	5	6	7	8	9	10	15	20	25	30
5364	1.0x10 ⁶	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	1.30E1	0.00E0	0.00E0	4.64E1	0.00E0
5373	1.0x10 ⁶	M	0.00E0	1.19E2	5.26E2	1.77E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	4.24E1	0.00E0	0.00E0	0.00E0	0.00E0
5382	1.0x10 ⁶	F	0.00E0	7.45E1	2.17E3	2.30E1	0.00E0	2.98E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5391	1.0x10 ⁶	F	0.00E0	3.28E1	0.00E0	6.89E1	0.00E0	8.24E1	0.00E0	0.00E0	0.00E0	0.00E0	7.12E1	0.00E0	0.00E0	0.00E0	0.00E0
Average			0.00E0	5.66E1	6.74E2	2.88E1	0.00E0	2.81E1	0.00E0	0.00E0	0.00E0	0.00E0	3.17E1	0.00E0	0.00E0	1.16E1	0.00E0
5371	1.0x10 ⁵	M	0.00E0	0.00E0	2.38E1	0.00E0	4.71E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5357	1.0x10 ⁵	M	0.00E0	2.10E1	3.16E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5387	1.0x10 ⁵	F	0.00E0	0.00E0	8.67E1	6.60E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	5.91E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5386	1.0x10 ⁵	F	3.19E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			7.98E0	5.25E0	3.55E1	1.65E0	1.18E0	0.00E0	0.00E0	0.00E0	0.00E0	1.48E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5361	1.0x10 ⁴	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	2.25E1	0.00E0	0.00E0	0.00E0	0.00E0
5365	1.0x10 ⁴	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5385	1.0x10 ⁴	F	1.05E2	0.00E0	2.79E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5390	1.0x10 ⁴	F	0.00E0	2.71E1	2.57E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			2.63E1	6.78E0	1.34E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	5.63E0	0.00E0	0.00E0	0.00E0	0.00E0

Table 5. PRVABC59 genome copies in urine detected by quantitative RT-PCR.

Animal	Dose	Sex	Day Post Infection (Genome Copies/mL)					
			5	10	15	20	25	30
5374	1.0x10 ⁶	M	5.03E1	0.00E0	0.00E0	2.12E1	0.00E0	5.93E1
5363	1.0x10 ⁶	M	0.00E0	6.84E1	8.55E1	0.00E0	0.00E0	0.00E0
5375	1.0x10 ⁶	F	5.27E1	3.56E1	0.00E0	0.00E0	0.00E0	0.00E0
5381	1.0x10 ⁶	F	1.72E1	3.77E1	4.04E1	0.00E0	0.00E0	0.00E0
Average			3.01E1	3.54E1	3.15E1	5.30E0	0.00E0	1.48E1
5360	1.0x10 ⁵	M	0.00E0	0.00E0	0.00E0	5.84E1	6.10E1	6.98E1
5368	1.0x10 ⁵	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	9.90E1
5389	1.0x10 ⁵	F	0.00E0	0.00E0	0.00E0	0.00E0	N/C	0.00E0
5378	1.0x10 ⁵	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	4.28E1
Average			0.00E0	0.00E0	0.00E0	1.46E1	2.03E1	5.29E1
5366	1.0x10 ⁴	M	0.00E0	0.00E0	0.00E0	0.00E0	4.53E1	0.00E0
5362	1.0x10 ⁴	M	N/C	0.00E0	5.94E1	0.00E0	5.85E1	0.00E0
5388	1.0x10 ⁴	F	0.00E0	1.92E3	6.08E1	1.25E2	0.00E0	0.00E0
5376	1.0x10 ⁴	F	0.00E0	0.00E0	0.00E0	1.50E2	0.00E0	0.00E0
Average			0.00E0	4.80E2	3.01E1	6.88E1	2.60E1	0.00E0

N/C = not collected

Table 6. PLCal_ZV genome copies in urine detected by quantitative RT-PCR.

Animal	Dose	Sex	Day Post Infection (Genome Copies/mL)					
			5	10	15	20	25	30
5367	1.0x10 ⁶	M	0.00E0	0.00E0	0.00E0	1.23E2	0.00E0	2.46E3
5372	1.0x10 ⁶	M	0.00E0	5.37E1	4.47E1	0.00E0	0.00E0	0.00E0
5379	1.0x10 ⁶	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5377	1.0x10 ⁶	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	7.03E3
Average			0.00E0	1.34E1	1.12E1	3.08E1	0.00E0	2.37E3
5369	1.0x10 ⁵	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	2.07E2
5358	1.0x10 ⁵	M	2.33E2	5.94E1	0.00E0	0.00E0	0.00E0	6.39E1
5380	1.0x10 ⁵	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5384	1.0x10 ⁵	F	0.00E0	0.00E0	0.00E0	0.00E0	N/C	0.00E0
Average			5.83E1	1.49E1	0.00E0	0.00E0	0.00E0	6.77E1
5370	1.0x10 ⁴	M	0.00E0	4.13E3	2.70E1	0.00E0	0.00E0	1.09E2
5359	1.0x10 ⁴	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	1.95E2
5392	1.0x10 ⁴	F	0.00E0	1.04E2	1.12E3	0.00E0	0.00E0	0.00E0
5383	1.0x10 ⁴	F	0.00E0	0.00E0	0.00E0	0.00E0	N/C	0.00E0
Average			0.00E0	1.06E3	2.87E2	0.00E0	0.00E0	7.60E1

N/C = not collected

Table 7. IbH30656 genome copies in urine detected by quantitative RT-PCR.

			Day Post Infection (Genome Copies/mL)					
Animal	Dose	Sex	5	10	15	20	25	30
5364	1.0x10 ⁶	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5373	1.0x10 ⁶	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5382	1.0x10 ⁶	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5391	1.0x10 ⁶	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5371	1.0x10 ⁵	M	0.00E0	0.00E0	0.00E0	0.00E0	1.92E1	0.00E0
5357	1.0x10 ⁵	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5387	1.0x10 ⁵	F	0.00E0	0.00E0	0.00E0	0.00E0	3.11E1	0.00E0
5386	1.0x10 ⁵	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			0.00E0	0.00E0	0.00E0	0.00E0	1.26E1	0.00E0
5361	1.0x10 ⁴	M	1.97E1	0.00E0	0.00E0	0.00E0	N/C	3.26E1
5365	1.0x10 ⁴	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5385	1.0x10 ⁴	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5390	1.0x10 ⁴	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			4.93E0	0.00E0	0.00E0	0.00E0	0.00E0	8.15E0

N/C = not collected

Table 8. PRVABC59 genome copies in saliva detected by quantitative RT-PCR.

			Day Post Infection (Genome Copies/mL)					
Animal	Dose	Sex	5	10	15	20	25	30
5374	1.0x10 ⁶	M	2.73E1	3.60E1	0.00E0	3.73E1	0.00E0	0.00E0
5363	1.0x10 ⁶	M	5.03E1	1.24E2	0.00E0	4.29E1	0.00E0	0.00E0
5375	1.0x10 ⁶	F	0.00E0	0.00E0	0.00E0	3.39E1	0.00E0	0.00E0
5381	1.0x10 ⁶	F	4.32E1	6.05E1	2.99E1	0.00E0	0.00E0	0.00E0
Average			3.02E1	5.51E1	7.48E0	2.85E1	0.00E0	0.00E0
5360	1.0x10 ⁵	M	2.06E2	1.01E3	3.76E2	0.00E0	0.00E0	0.00E0
5368	1.0x10 ⁵	M	3.57E3	0.00E0	0.00E0	0.00E0	5.98E1	0.00E0
5389	1.0x10 ⁵	F	4.35E1	0.00E0	1.51E2	4.89E1	0.00E0	0.00E0
5378	1.0x10 ⁵	F	5.68E1	0.00E0	6.96E1	7.15E1	0.00E0	0.00E0
Average			9.69E2	2.53E2	1.49E2	3.01E1	1.50E1	0.00E0
5366	1.0x10 ⁴	M	0.00E0	0.00E0	2.52E2	0.00E0	1.58E1	0.00E0
5362	1.0x10 ⁴	M	0.00E0	6.25E1	2.85E2	3.92E1	0.00E0	0.00E0
5388	1.0x10 ⁴	F	6.83E1	0.00E0	1.11E2	0.00E0	0.00E0	0.00E0
5376	1.0x10 ⁴	F	0.00E0	0.00E0	2.92E1	0.00E0	0.00E0	0.00E0
Average			1.71E1	1.56E1	1.69E2	9.80E0	3.95E0	0.00E0

Table 9. PLCaI_ZV genome copies in saliva detected by quantitative RT-PCR.

Animal	Dose	Sex	Day Post Infection (Genome Copies/mL)					
			5	10	15	20	25	30
5367	1.0x10 ⁶	M	6.80E2	0.00E0	2.32E2	0.00E0	0.00E0	0.00E0
5372	1.0x10 ⁶	M	2.17E2	7.33E1	0.00E0	0.00E0	0.00E0	1.48E2
5379	1.0x10 ⁶	F	2.66E2	9.90E1	1.00E2	0.00E0	0.00E0	0.00E0
5377	1.0x10 ⁶	F	1.77E2	1.28E2	1.49E2	0.00E0	0.00E0	0.00E0
Average			3.35E2	7.51E1	1.20E2	0.00E0	0.00E0	3.70E1
5369	1.0x10 ⁵	M	0.00E0	0.00E0	2.85E2	0.00E0	0.00E0	0.00E0
5358	1.0x10 ⁵	M	2.33E2	5.26E1	4.82E1	0.00E0	0.00E0	0.00E0
5380	1.0x10 ⁵	F	1.35E3	0.00E0	1.21E2	0.00E0	0.00E0	0.00E0
5384	1.0x10 ⁵	F	0.00E0	1.23E2	9.54E1	0.00E0	0.00E0	0.00E0
Average			3.96E2	4.39E1	1.37E2	0.00E0	0.00E0	0.00E0
5370	1.0x10 ⁴	M	9.48E1	0.00E0	1.02E3	0.00E0	0.00E0	0.00E0
5359	1.0x10 ⁴	M	8.97E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5392	1.0x10 ⁴	F	9.23E1	3.63E2	0.00E0	0.00E0	0.00E0	0.00E0
5383	1.0x10 ⁴	F	8.11E1	0.00E0	0.00E0	0.00E0	8.92E1	0.00E0
Average			8.95E1	9.08E1	2.55E2	0.00E0	2.23E1	0.00E0

Table 10. IbH30656 genome copies in saliva detected by quantitative RT-PCR.

Animal	Dose	Sex	Day Post Infection (Genome Copies/mL)					
			5	10	15	20	25	30
5364	1.0x10 ⁶	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5373	1.0x10 ⁶	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5382	1.0x10 ⁶	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5391	1.0x10 ⁶	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5371	1.0x10 ⁵	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5357	1.0x10 ⁵	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5387	1.0x10 ⁵	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5386	1.0x10 ⁵	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5361	1.0x10 ⁴	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5365	1.0x10 ⁴	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5385	1.0x10 ⁴	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5390	1.0x10 ⁴	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0

Table 1. Delivered dose as determined by back titration of inoculum following Day 45 re-challenge.

Virus/Lot no.	Target Dose	Back Titer
PRVABC59 040516-BAS	2.0x10 ⁶	1.2x10 ⁶
IbH30656 041416-BAS	2.0x10 ⁶	2.1x10 ⁶
PLCal_ZV 092616-BAS	2.0x10 ⁶	2.9x10 ⁶

Table 1. Genome copies in serum from animals previously infected with PRVABC59 detected by quantitative RT-PCR.

			Study Day (Genome Copies/mL)														
Animal	Virus	Sex	45	46	47	48	49	50	51	52	53	54	55	60	65	70	75
5374	PRVABC59	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5360	PRVABC59	M	4.30E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5366	PRVABC59	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5388	PRVABC59	F	5.64E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5389	PRVABC59	F	0.00E0	1.29E2	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5375	PRVABC59	F	0.00E0	0.00E0	0.00E0	0.00E0	1.65E2	0.00E0									
Average			1.66E1	2.15E1	0.00E0	0.00E0	2.75E1	0.00E0	0.00E0								
5363	PLCal_ZV	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5368	PLCal_ZV	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5362	PLCal_ZV	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5381	PLCal_ZV	F	0.00E0	0.00E0	5.49E1	0.00E0	0.00E0	0.00E0	0.00E0								
5378	PLCal_ZV	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5376	PLCal_ZV	F	0.00E0	0.00E0	7.51E1	0.00E0	0.00E0	0.00E0	0.00E0								
Average			0.00E0	0.00E0	2.17E1	0.00E0	0.00E0	0.00E0	0.00E0								

Table 2. Genome copies in serum from animals previously infected with PLCaI_ZV detected by quantitative RT-PCR.

			Study Day (Genome Copies/mL)														
Animal	Virus	Sex	45	46	47	48	49	50	51	52	53	54	55	60	65	70	75
5367	PLCal_ZV	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5369	PLCal_ZV	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5370	PLCal_ZV	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0								
5379	PLCal_ZV	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0							
5380	PLCal_ZV	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0							

5392	PLCal_ZV	F	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5372	PRVABC59	M	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5358	PRVABC59	M	6.37E1	0.00E0	2.72E1	0.00E0	0.00E0	0.00E0	0.00E0
5359	PRVABC59	M	0.00E0	0.00E0	0.00E0	0.00E0	3.67E2	0.00E0	0.00E0
5377	PRVABC59	F	0.00E0	4.26E1	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
5384	PRVABC59	F	3.20E1	1.21E2	0.00E0	4.76E1	0.00E0	0.00E0	0.00E0
5383	PRVABC59	F	0.00E0	1.35E2	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0
Average			1.60E1	4.98E1	4.53E0	7.93E0	6.12E1	0.00E0	

Table 3. Genome copies in serum from animals previously infected with IbH30656 detected by quantitative RT-PCR.

			Study Day (Genome Copies/mL)														
Animal	Virus	Sex	45	46	47	48	49	50	51	52	53	54	55	60	65	70	75
5364	IbH30656	M	0.43E0	4.46E0	0.86E0	0.00E0	0.00E0										
5371	IbH30656	M	1.88E0	0.00E0	0.00E0	0.00E0	0.00E0										
5361	IbH30656	M	1.63E0	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0									
5382	IbH30656	F	3.44E1	1.71E0	3.34E0	0.00E0	0.00E0	0.00E0									
5387	IbH30656	F	0.00E0	4.03E0	4.88E0	0.00E0	0.00E0	0.00E0									
5385	IbH30656	F	1.39E1	0.00E0	0.00E0	0.00E0	0.00E0										
Average			8.70E0	1.70E0	1.51E0	0.00E0	0.00E0	0.00E0									
5373	PRVABC59	M	4.63E1	8.72E2	1.30E3	3.93E2	1.23E2	0.00E0	0.00E0		5.70E1			0.00E0			0.00E0
5357	PRVABC59	M	1.00E2	2.04E5	4.95E4	1.09E4	1.61E3	0.00E0	0.00E0		0.00E0			0.00E0			4.43E2
5365	PRVABC59	M	0.00E0	1.62E4	1.65E5	1.58E4	5.86E1	0.00E0	0.00E0		0.00E0			0.00E0			0.00E0
5391	PRVABC59	F	0.00E0	1.17E3	2.19E3	6.46E1	7.05E1	1.05E2	0.00E0		0.00E0			0.00E0			0.00E0
5386	PRVABC59	F	0.00E0	7.40E2	9.85E2	6.68E2	5.32E3	0.00E0	0.00E0		0.00E0			0.00E0			0.00E0
5390	PRVABC59	F	4.79E1	3.26E4	9.89E3	6.62E2	0.00E0	5.89E1	0.00E0		0.00E0			0.00E0			0.00E0
Average			3.24E1	4.26E4	3.81E4	4.75E3	1.20E3	2.73E1	0.00E0		9.50E0			0.00E0			7.38E1

Table 5. Genome copies in urine from animals previously infected with PRVABC59 detected by quantitative RT-PCR.

Animal	Virus	Sex	Study Day (Genome Copies/mL)						
			45	50	55	60	65	70	75
5374	PRVABC59	M				0.00E0			
5360	PRVABC59	M				0.00E0			
5366	PRVABC59	M				0.00E0			
5388	PRVABC59	F				0.00E0			
5389	PRVABC59	F				0.00E0			

5375	PRVABC59	F	0.00E0
Average			0.00E0
5363	PLCal_ZV	M	0.00E0
5368	PLCal_ZV	M	0.00E0
5362	PLCal_ZV	M	0.00E0
5381	PLCal_ZV	F	0.00E0
5378	PLCal_ZV	F	0.00E0
5376	PLCal_ZV	F	0.00E0
Average			0.00E0

Table 6. Genome copies in urine from animals previously infected with PLCaI_ZV detected by quantitative RT-PCR.

Animal	Virus	Sex	Study Day (Genome Copies/mL)						
			45	50	55	60	65	70	75
5367	PLCaI_ZV	M				0.00E0			
5369	PLCaI_ZV	M				0.00E0			
5370	PLCaI_ZV	M				0.00E0			
5379	PLCaI_ZV	F				0.00E0			
5380	PLCaI_ZV	F				0.00E0			
5392	PLCaI_ZV	F				0.00E0			
Average						0.00E0			
5372	PRVABC59	M				0.00E0			
5358	PRVABC59	M				0.00E0			
5359	PRVABC59	M				0.00E0			
5377	PRVABC59	F				0.00E0			
5384	PRVABC59	F				0.00E0			
5383	PRVABC59	F				0.00E0			
Average						0.00E0			

Table 7. Genome copies in urine from animals previously infected with IbH30656 detected by quantitative RT-PCR.

Animal	Virus	Sex	Study Day (Genome Copies/mL)						
			45	50	55	60	65	70	75
5364	IbH30656	M				0.00E0			
5371	IbH30656	M				0.00E0			
5361	IbH30656	M				0.00E0			
5382	IbH30656	F				8.31E0			
5387	IbH30656	F				0.00E0			
5385	IbH30656	F				0.00E0			
Average						1.39E0			

5373	PRVABC59	M	0.00E0
5357	PRVABC59	M	0.00E0
5365	PRVABC59	M	0.00E0
5391	PRVABC59	F	0.00E0
5386	PRVABC59	F	0.00E0
5390	PRVABC59	F	0.00E0
Average			0.00E0

