

Supplementary Materials:

Table S1: Number of cattle (in million heads) in different regions of Brazil

3	Region	Federative State	(n) million heads
4		Rondônia	15.1
5		Acre	4.1
6	NORTHERN	Amazonas	1.5
7		Roraima	0.9
8		Pará	23.9
9		Amapá	0.05
10		Tocantins	10.1
11	Total		55.6
12		Maranhão	8.5
13		Piauí	1.4
14		Ceará	2.6
15	NORTHEAST	Rio Grande do Norte	1.1
16		Paraíba	1.3
17		Pernambuco	2.2
18		Alagoas	1.3
19		Sergipe	1.1
20		Bahia	11.7
21	Total		31.2
22		Mato Grosso do Sul	18.6
23	CENTRAL-WEST	Mato Grosso	32.4
24		Goiás	24.3
25		Distrito Federal	0.08
26	Total		75.4
27		Minas Gerais	22.9
28	SOUTHEAST	Espírito Santo	2.2
29		Rio de Janeiro	2.7
30		São Paulo	10.7
31	Total		38.5
32		Paraná	8.1
33	SOUTH	Santa Catarina	4.5
34		Rio Grande do Sul	11.1
35	Total		23.7

References: [35,36].

Table S2: Percentage of positive samples by titer for BVDV-1, 2 and HoBiPeV

31	Titer*	BVDV-1 (%)	BVDV-2 (%)	HoBiPeV (%)
32	8 to <16	5	3	32
33	16 to <64	28	25	9
34	64 to <256	30	40	20
35	256 to < 1,024	30	25	22
36	≥1,024	7	5	17
37	Total	100	100	100

* Titers 8 to <16 are considered low. Titers 16-128 are considered moderate. Titers ≥ 256 are considered high.

Table S3: Individual results for VNT titers for BVDV-1, 2 and HoBiPeV. (View excel.xls file)

Table S4: The major countries live cattle exporters worldwide.

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45	Country	% Of world
46	Mexico	24.9%
47	European Union	22.9%
48	Australia	18.1%
49	Canada	13.4%
50	Brazil	8.5%
	Uruguay	6.2%

References: [36].

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