

Table S1: mVNT cross-reactivity results: HAZV, DUGV, NSDV

Virus	Animal	mVNT titer		
		HAZV	DUGV	NSDV
HAZV	HAZV-IMMU-calf-1	Negative	Negative	Negative
	HAZV-IMMU-sheep-1	7	Negative	15
	Infected sheep	Negative	ND	ND
	Infected cattle	Negative	ND	ND
DUGV	DUGV-IMMU-calf-1	Negative	99	24
	DUGV-IMMU-sheep-1	Negative	47	Negative
	G5	Negative	21	Negative
	G6	Negative	12	Negative
	H5	Negative	8	Negative
	H6	Negative	30	Negative
	I2 (control)	Negative	Negative	Negative
	J5	Negative	26	13
	J6	Negative	7	Negative
	K5	Negative	37	12
	K6	Negative	Negative	Negative
	L2 (control)	Negative	Negative	Negative
NSDV	NSDV-IMMU-calf-1	Negative	Negative	387
	NSDV-IMMU-sheep-1	Negative	Negative	7
	N1	7	12	233
	N2	Negative	13	41
	N3	8	9	295
	N4	Negative	16	163
	M1	Negative	Negative	Negative
	M2	Negative	Negative	Negative
	M3	Negative	Negative	Negative
	M4	Negative	Negative	Negative
	P1	Negative	7	226
	P2	Negative	Negative	643
	P3	Negative	Negative	264
	P4	Negative	Negative	Negative
	O1 (control)	Negative	Negative	Negative
	O2 (control)	Negative	Negative	Negative
	Q5	Negative	Negative	31
	Q6	Negative	Negative	15
	R5	Negative	Negative	44
	R6	Negative	Negative	11
	S2 (control)	Negative	Negative	Negative

ND: not determined

Negative: <7

Table S2: PRNT cross-reactivity results: HAZV, DUGV, NSDV

Virus	Animal	PRNT ₈₀ titer		
		HAZV	DUGV	NSDV
HAZV	HAZV-IMMU-calf-1	8	Negative	8
	HAZV-IMMU-sheep-1	Negative	32	32
	Infected sheep	Negative	ND	ND
	Infected cattle	Negative	ND	ND
DUGV	DUGV-IMMU-calf-1	Negative	384	8
	DUGV-IMMU-sheep-1	Negative	512	16
	G5	Negative	32	Negative
	G6	Negative	12	Negative
	H5	Negative	16	Negative
	H6	Negative	64	8
	I2 (control)	Negative	Negative	Negative
	J5	Negative	256	64
	J6	Negative	24	8
	K5	Negative	384	64
	K6	Negative	48	8
	L2 (control)	Negative	Negative	Negative
NSDV	NSDV-IMMU-calf-1	Negative	48	1024
	NSDV-IMMU-sheep-1	Negative	12	32
	N1	Negative	320	1536
	N2	Negative	96	192
	N3	Negative	192	1536
	N4	Negative	320	2048
	M1	Negative	8	32
	M2	Negative	Negative	16
	M3	Negative	8	32
	M4	Negative	Negative	16
	P1	Negative	96	1536
	P2	Negative	384	4096
	P3	Negative	128	2048
	P4	Negative	Negative	Negative
	O1 (control)	Negative	Negative	Negative
	O2 (control)	Negative	Negative	Negative
	Q5	Negative	16	192
	Q6	Negative	48	48
	R5	Negative	128	256
	R6	Negative	24	96
	S2 (control)	Negative	Negative	Negative

ND: not determined

Negative: <8