Supplementary Table S2. Analytical sensitivity (ASe) of LN34 rRT-PCR, the improved LN34 rRT-PCR, JW12/N165-146 rRT-PCR, hemi-nested RT-PCR, and one-step RT-PCR using RNA transcripts. Limit of Detection (LoD; in bold) was determined as the higher dilution at which all tested replicates yielded positive results. For LN34 and (n) LN34, Ct values up to 35.9 were accepted. LoD determination for the JW12/N165-146 was based also on the presence of peaks with expected melting temperature.

RNA copies in µl	Phylogroup I																		Phylogroup II												Phylogroup III					
	RABV COSM		**RABV AF2**		**EBLV-1b**		**EBLV-1a**		**EBLV-2**		**ABLV**		**ARAV**		**BBLV**		**KBLV**		**DUVV**		**LBV C**		**LBV A**		**MKV**		**SHIV**		**WCV**		**LLEBV**		**IKOV**		**MBLV**	
	Mean	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*	*Mean*	*SD*
LN34																																				
1E+08																													31.6	0.2						
1E+07			14.2	0.93									24.8	0.44					17.4	0.28			15.3	0.10	16.4	0.2	17.5	0.2			**34.0**	**0.8**	27.5	0.2	27.5	0.3
1E+06	18.3	0.23	17.3	0.22	18.8	0.53							28.6	0.36					21.1	0.29	23.9	0.2	18.5	0.27	21.3	1.9	20.7	0.3	23.8	0.5	negative		30.4	0.5	30.5	0.4
1E+05	21.3	0.23	20.3	0.04	21.9	0.37			26.5	0.32	24.6	0.32	31.8	0.75			23.4	0.20	25.0	0.11	27.3	0.2	21.5	0.09	24.0	0.2	24.1	0.2	27.1	0.5	negative		**34.5**	**0.8**	**34.3**	**1.0**
1E+04	24.8	0.18	24.3	0.36	25.1	0.62			30.1	0.26	28.3	0.78	**34.7**	**0.68**	26.7	0.05	27.4	0.12	27.8	0.35	30.5	0.2	24.6	0.16	27.1	0.6	27.5	0.2	29.4	1.0	negative		negative		negative	
1E+03	28.0	0.39	27.3	0.41	28.1	0.25	29.8	0.41	**33.3**	**0.18**	31.0	0.79	38.9	1.38	30.7	0.44	30.8	0.88	31.1	0.30	**33.7**	**0.3**	28.3	0.13	30.4	0.5	31.4	0.9	**32.9**	**0.5**	negative		negative		negative	
100	31.4	0.35	30.5	0.55	31.7	0.46	**33.1**	**0.70**	negative		**34.6**	**0.65**	negative		**34.7**	**0.30**	**34.2**	**1.15**	**35.0**	**0.46**	37.3	0.8	31.9	0.32	**33.9**	**0.4**	**35.1**	**0.6**	36.2	0.6	negative					
10	**34.7**	**0.81**	**33.9**	**0.83**	**35.0**	**0.99**	36.5	0.80	negative		negative				negative		negative		negative		negative		**35.0**	**0.37**	negative		negative		negative		negative					
1	negative		negative		negative		negative		negative		negative				negative				negative		negative		negative		negative		negative		negative		negative					
(n) LN34																																				
1E+08																																				
1E+07																																				
1E+06																																				
1E+05													22.5	0.78			22.8	0.02																		
1E+04							24.8	0.26	24.5	0.11			25.4	0.19	25.4	0.05	26.7	0.14			29.3	0.04	26.1	1.42									24.8	0.51		
1E+03	28.6	0.25	26.4	0.09			28.5	0.13	28.0	0.16	29.3	0.71	28.7	0.08	29.7	0.19	29.9	0.92	27.7	0.18	**32.4**	**0.82**	29.0	0.74	28.3	0.21	**32.7**	**0.37**			29.1	0.3			30.7	0.75
100	30.7	0.46	29.6	0.09	31.2	0.63	**32.2**	**0.52**	31.4	0.40	**33.0**	**0.15**	**32.7**	**0.13**	**33.4**	**0.15**	**32.5**	**0.10**	31.4	0.23	negative		**32.5**	**0.86**	**32.2**	**0.71**	negative		**31.3**	**0.2**	**32.5**	**0.1**	**32.7**	**0.70**	**34.3**	**1.17**
10	**33.7**	**0.31**	**33.0**	**0.32**	**34.1**	**0.93**	negative		**35.0**	**0.29**	negative		negative		negative		negative		**34.2**	**0.33**	negative		negative		negative		negative		36.0	0.5	negative		negative		negative	
1	negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative				negative		negative		negative		negative		negative		negative	
JW12/N165-146																																				
1E+08																																				
1E+07																					negative		28.3	0.44												
1E+06																					negative		33.3	1.22									30.1	0.29		
1E+05											**35.1**	**1.08**	24.2	0.74	21.2	0.11	23.7	0.17	30.6	0.40	negative		**36.9**	**0.65**					30.9	0.53			**34.4**	**0.50**	20.7	0.23
1E+04									29.9	0.38	negative		27.9	0.52	25.8	0.15	27.5	0.08	34.5	0.25	negative		negative		**37.3**	**0.90**			**37.1**	**1.74**	27.8	0.27	negative		25.1	0.47
1E+03	29.6	0.13	28.0	0.1	29.5	0.69	31.2	0.06	**33.3**	**0.43**	negative		32.8	1.08	29.6	0.43	31.5	0.40	**37.8**	**0.67**	negative		negative		negative		31.2	0.82	negative		31.7	0.41	negative		32.3	6.11
100	33.6	0.10	31.8	0.2	34.0	0.22	**35.4**	**0.33**	negative		negative		**35.6**	**0.48**	32.6	0.67	**34.1**	**0.60**	negative		negative		negative		negative		**34.2**	**0.61**	negative		**35.2**	**0.85**			33.0	0.22
10	**35.6**	**1.80**	**35.7**	**1.2**	**37.0**	**1.52**	negative		negative		negative		negative		**37.3**	**0.29**	negative		negative		negative		negative		negative		negative				negative				**36.0**	**0.31**
1	negative		negative		negative		negative		negative		negative		negative		negative		negative		negative				negative		negative		negative				negative				negative	
Tm (°C)	77.0		77.0		77.0		78.0		77.0		77.0		78.0		77.5		77.0		77.5				77.5		78.0		77.0		77.0		77.0		78.0	
hemi-nested RT-PCR: 1st round																																				
1E+08																																				
1E+07																					positive															
1E+06	positive														positive						**positive**										positive		positive			
1E+05	**positive**				positive								**positive**		**positive**		positive				negative						positive		positive		**positive**		**positive**			
1E+04	negative				positive								negative		negative		**positive**				negative						**positive**		**positive**		negative		negative			
1E+03	negative				**positive**		negative		negative		**positive**		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		**positive**	
100	negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative	
10	negative		negative				negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative	
1	negative		negative																										negative							
hemi-nested RT-PCR: 2nd round																																				
1E+08																																				
1E+07																					positive															
1E+06	positive														positive						**positive**										positive		positive			
1E+05	**positive**				positive								positive		**positive**		positive				negative						positive		positive		**positive**		**positive**			
1E+04	negative				positive								**positive**		negative		**positive**				negative						**positive**		positive		negative		negative			
1E+03	negative				**positive**		**positive**		**positive**		**positive**		negative		negative		negative		**positive**		negative		**positive**		**positive**		negative		**positive**		negative		negative		negative		positive	
100	negative		**positive**		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		**positive**	
10	negative		negative				negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative	
1	negative		negative																										negative							
one-step RT-PCR																																				
1E+08																																				
1E+07																					**positive**										positive		positive			
1E+06													positive								negative						positive		positive		positive		positive			
1E+05			positive		positive		positive		positive		positive		positive		positive		positive		positive		negative		positive		positive		positive		positive		positive		positive		positive	
1E+04			positive		positive		positive		positive		positive		positive		positive		positive		positive		negative		positive		**positive**		positive		positive		positive		positive		positive	
1E+03	positive		positive		**positive**		**positive**		positive		**positive**		positive		positive		**positive**		**positive**		negative		positive		negative		positive		positive		**positive**		**positive**		**positive**	
100	**positive**		**positive**		negative		negative		**positive**		negative		**positive**		**positive**		negative		negative		negative		**positive**		negative		positive		**positive**		negative		negative		negative	
10	negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		negative		**positive**		negative		negative		negative		negative	
1	negative		negative		negative		negative		negative				negative		negative		negative		negative		negative		negative		negative		negative		negative						negative	