

## Supplementary information

**Table S1.** Percentage nucleotide and amino acid identity with MBLV.

	N gene	P gene	M gene	G gene	L gene	Concatenated N+P+M+G+L CDS
<b>Phylogroup I</b>						
<b>RABV PV-2061 (JX276550.1)</b>	NT: 71.33%	NT: 49.44%	NT: 61.29%	NT: 49.51%	NT: 66.67%	NT: 64.80%
	AA: 81.78%	AA: 43.25%	AA: 76.24%	AA: 50.96%	AA: 74.57%	AA: 69.61%
<b>RABV (NC001542.1)</b>	NT: 68.85%	NT: 49.44%	NT: 60.70%	NT: 50.37%	NT: 66.84%	NT: 64.81%
	AA: 81.78%	AA: 43.25%	AA: 75.25%	AA: 50.77%	AA: 74.57%	AA: 69.53%
<b>GBLV (NC031988.1)</b>	NT: 67.87%	NT: 50.05%	NT: 63.89%	NT: 48.87%	NT: 67.94%	NT: 65.54%
	AA: 83.11%	AA: 47.40%	AA: 78.22%	AA: 52.11%	AA: 75.32%	AA: 70.70%
<b>ABLV (NC003243.1)</b>	NT: 69.31%	NT: 50.20%	NT: 62.99%	NT: 50.00%	NT: 67.20%	NT: 65.30%
	AA: 82.00%	AA: 45.67%	AA: 71.78%	AA: 52.11%	AA: 74.71%	AA: 69.75%
<b>KBLV (LR994545.1)</b>	NT: 68.36%	NT: 50.94%	NT: 62.24%	NT: 49.78%	NT: 68.12%	NT: 65.65%
	AA: 82.00%	AA: 44.98%	AA: 76.73%	AA: 50.96%	AA: 76.59%	AA: 70.90%
<b>EBLV-2 (NC009528.2)</b>	NT: 67.18%	NT: 51.58%	NT: 62.89%	NT: 49.93%	NT: 68.06%	NT: 65.89%
	AA: 80.89%	AA: 46.02%	AA: 77.23%	AA: 50.38%	AA: 76.07%	AA: 70.50%
<b>KHUV (NC025385.1)</b>	NT: 69.11%	NT: 49.53%	NT: 62.58%	NT: 49.75%	NT: 67.94%	NT: 65.61%
	AA: 81.56%	AA: 45.33%	AA: 78.71%	AA: 51.15%	AA: 76.26%	AA: 70.84%
<b>BBLV (NC025251.1)</b>	NT: 69.96%	NT: 49.85%	NT: 62.24%	NT: 48.79%	NT: 68.10%	NT: 65.81%
	AA: 82.00%	AA: 46.37%	AA: 77.72%	AA: 51.34%	AA: 75.93%	AA: 70.81%
<b>ARAV (NC020808.1)</b>	NT: 69.50%	NT: 50.51%	NT: 63.02%	NT: 48.61%	NT: 68.26%	NT: 65.77%
	AA: 83.56%	AA: 47.75%	AA: 77.23%	AA: 50.77%	AA: 76.12%	AA: 71.04%
<b>IRKV (NC020809.1)</b>	NT: 68.88%	NT: 52.05%	NT: 65.49%	NT: 49.13%	NT: 67.58%	NT: 65.79%
	AA: 83.56%	AA: 44.83%	AA: 77.72%	AA: 51.62%	AA: 75.79%	AA: 71.03%
<b>EBLV-1 (NC009527.1)</b>	NT: 68.47%	NT: 50.82%	NT: 64.10%	NT: 48.48%	NT: 68.22%	NT: 65.81%
	AA: 82.44%	AA: 45.21%	AA: 77.23%	AA: 50.00%	AA: 75.88%	AA: 70.58%
<b>DUVV (NC020810.1)</b>	NT: 69.92%	NT: 50.51%	NT: 64.03%	NT: 48.13%	NT: 68.29%	NT: 66.03%
	AA: 84.22%	AA: 44.14%	AA: 76.24%	AA: 49.43%	AA: 75.41%	AA: 70.29%
<b>TWBLV-1 (NC055474.1)</b>	NT: 70.17%	NT: 49.33%	NT: 62.92%	NT: 47.16%	NT: 67.20%	NT: 65.22%
	AA: 83.56%	AA: 42.07%	AA: 78.71%	AA: 48.28%	AA: 75.98%	AA: 70.37%
<b>TWBLV-2 (ON437589.1)</b>	NT: 68.47%	NT: 51.18%	NT: 62.66%	NT: 47.67%	NT: 67.74%	NT: 65.68%
	AA: 84.00%	AA: 45.67%	AA: 77.23%	AA: 47.89%	AA: 75.83%	AA: 70.53%
<b>PBLV (OQ970171.1)</b>	NT: 67.79%	NT: 51.33%	NT: 62.37%	NT: 48.75%	NT: 67.85%	NT: 65.79%

	AA: 82.89%	AA: 48.28%	AA: 79.21%	AA: 50.77%	AA: 75.98%	AA: 71.06%
<b>Phylogroup II</b>						
<b>LBV (NC020807.1)</b>	NT: 70.10%	NT: 49.80%	NT: 64.91%	NT: 50.65%	NT: 67.57%	NT: 66.03%
	AA: 83.33%	AA: 44.37%	AA: 75.25%	AA: 54.60%	AA: 75.65%	AA: 70.92%
<b>MOKV (NC006429.1)</b>	NT: 67.93%	NT: 50.97%	NT: 63.25%	NT: 52.22%	NT: 67.93%	NT: 65.96%
	AA: 83.56%	AA: 46.42%	AA: 76.24%	AA: 53.07%	AA: 75.04%	AA: 70.56%
<b>SHIBV (NC025365.1)</b>	NT: 69.88%	NT: 51.06%	NT: 64.44%	NT: 50.55%	NT: 68.70%	NT: 66.69%
	AA: 83.56%	AA: 46.08%	AA: 78.71%	AA: 53.45%	AA: 76.59%	AA: 71.71%
<b>Unassigned lyssaviruses</b>						
<b>IKOV (NC018629.1)</b>	NT: 68.07%	NT: 55.26%	NT: 61.14%	NT: 49.59%	NT: 65.62%	NT: 64.21%
	AA: 79.56%	AA: 48.08%	AA: 73.27%	AA: 48.85%	AA: 71.97%	AA: 67.71%
<b>LLEBV (NC031955.1)</b>	NT: 69.00%	NT: 51.95%	NT: 64.16%	NT: 48.96%	NT: 65.73%	NT: 64.21%
	AA: 81.56%	AA: 46.69%	AA: 75.25%	AA: 47.79%	AA: 72.81%	AA: 68.30%
<b>WCBV (NC025377.1)</b>	NT: 77.52%	NT: 71.28%	NT: 84.90%	NT: 70.11%	NT: 78.39%	NT: 78.94%
	AA: 95.56%	AA: 83.16%	AA: 96.53%	AA: 86.67%	AA: 92.76%	AA: 91.64%

**Table S2.** Percentage nucleotide and amino acid identity with PBLV.

	<b>N gene</b>	<b>P gene</b>	<b>M gene</b>	<b>G gene</b>	<b>L gene</b>	<b>Concatenated N+P+M+G+L CDS</b>
<b>Phylogroup I</b>						
<b>RABV PV-2061 (JX276550.1)</b>	NT: 73.25% AA: 88.00%	NT: 60.75% AA: 58.92%	NT: 67.46% AA: 82.18%	NT: 56.81% AA: 68.13%	NT: 71.81% AA: 83.78%	NT: 70.98% AA: 79.92%
<b>RABV (NC001542.1)</b>	NT: 70.98% AA: 87.78%	NT: 60.65% AA: 58.59%	NT: 65.84% AA: 81.19%	NT: 56.63% AA: 68.32%	NT: 71.76% AA: 83.78%	NT: 70.96% AA: 79.83%
<b>GBLV (NC031988.1)</b>	NT: 72.79% AA: 89.33%	NT: 61.16% AA: 61.82%	NT: 68.07% AA: 84.16%	NT: 59.54% AA: 69.01%	NT: 73.44% AA: 85.94%	NT: 72.31% AA: 81.76%
<b>ABLV (NC003243.1)</b>	NT: 71.64% AA: 88.44%	NT: 58.98% AA: 56.57%	NT: 66.67% AA: 80.20%	NT: 57.14% AA: 67.62%	NT: 72.31% AA: 84.91%	NT: 70.96% AA: 80.23%
<b>KBLV (LR994545.1)</b>	NT: 72.64% AA: 87.36%	NT: 61.97% AA: 61.28%	NT: 71.48% AA: 85.15%	NT: 62.80% AA: 72.81%	NT: 73.77% AA: 88.15%	NT: 73.02% AA: 83.46%
<b>EBLV-2 (NC009528.2)</b>	NT: 72.05% AA: 86.92%	NT: 60.37% AA: 59.26%	NT: 69.49% AA: 82.67%	NT: 61.38% AA: 73.09%	NT: 73.45% AA: 86.98%	NT: 72.49% AA: 82.42%
<b>KHUV (NC025385.1)</b>	NT: 72.08% AA: 88.47%	NT: 62.55% AA: 61.28%	NT: 72.53% AA: 86.63%	NT: 60.98% AA: 70.72%	NT: 73.85% AA: 88.06%	NT: 72.76% AA: 83.29%
<b>BBLV (NC025251.1)</b>	NT: 72.86% AA: 89.36%	NT: 62.17% AA: 61.95%	NT: 70.98% AA: 87.13%	NT: 59.98% AA: 71.18%	NT: 74.31% AA: 87.45%	NT: 73.15% AA: 83.23%
<b>ARAV (NC020808.1)</b>	NT: 73.94% AA: 90.91%	NT: 62.67% AA: 64.31%	NT: 74.84% AA: 87.62%	NT: 61.74% AA: 71.86%	NT: 74.27% AA: 87.73%	NT: 73.40% AA: 83.85%
<b>IRKV (NC020809.1)</b>	NT: 71.72% AA: 90.24%	NT: 65.12% AA: 61.41%	NT: 73.33% AA: 90.59%	NT: 60.99% AA: 72.90%	NT: 75.06% AA: 89.94%	NT: 73.82% AA: 85.42%
<b>EBLV-1 (NC009527.1)</b>	NT: 74.56% AA: 92.46%	NT: 65.93% AA: 67.79%	NT: 74.75% AA: 89.60%	NT: 65.49% AA: 74.62%	NT: 76.16% AA: 91.26%	NT: 75.55% AA: 86.92%
<b>DUVV (NC020810.1)</b>	NT: 72.70% AA: 90.91%	NT: 62.99% AA: 63.09%	NT: 73.09% AA: 89.60%	NT: 60.68% AA: 71.56%	NT: 74.81% AA: 88.67%	NT: 73.70% AA: 84.45%
<b>TWBLV-1 (NC055474.1)</b>	NT: 73.46% AA: 91.80%	NT: 63.87% AA: 63.76%	NT: 71.93% AA: 90.59%	NT: 59.23% AA: 68.93%	NT: 75.14% AA: 89.19%	NT: 73.69% AA: 84.51%
<b>TWBLV-2 (ON437589.1)</b>	NT: 72.93% AA: 90.91%	NT: 64.87% AA: 64.98%	NT: 74.53% AA: 90.59%	NT: 62.14% AA: 69.98%	NT: 75.35% AA: 90.50%	NT: 74.18% AA: 85.44%
<b>Phylogroup II</b>						
<b>LBV (NC020807.1)</b>	NT: 70.84% AA: 86.44%	NT: 51.79% AA: 44.11%	NT: 64.42% AA: 77.72%	NT: 52.38% AA: 56.70%	NT: 71.17% AA: 81.01%	NT: 68.57% AA: 74.82%
<b>MOKV (NC006429.1)</b>	NT: 68.34% AA: 84.00%	NT: 51.44% AA: 42.91%	NT: 64.97% AA: 76.73%	NT: 53.07% AA: 57.09%	NT: 70.42% AA: 79.78%	NT: 68.03% AA: 73.73%

<b>SHIBV (NC025365.1)</b>	NT: 71.39%	NT: 53.51%	NT: 66.88%	NT: 52.30%	NT: 70.81%	NT: 68.57%
	AA: 86.67%	AA: 46.28%	AA: 80.20%	AA: 57.09%	AA: 81.48%	AA: 75.52%
<b>Unassigned lyssaviruses</b>						
<b>IKOV (NC018629.1)</b>	NT: 67.70%	NT: 49.89%	NT: 59.80%	NT: 46.83%	NT: 65.36%	NT: 63.14%
	AA: 76.67%	AA: 40.49%	AA: 73.27%	AA: 45.96%	AA: 70.84%	AA: 65.69%
<b>LLEBV (NC031955.1)</b>	NT: 67.76%	NT: 51.05%	NT: 63.73%	NT: 47.56%	NT: 65.82%	NT: 63.87%
	AA: 78.00%	AA: 42.05%	AA: 74.75%	AA: 45.30%	AA: 72.91%	AA: 67.01%
<b>WCBV (NC025377.1)</b>	NT: 68.62%	NT: 49.28%	NT: 63.28%	NT: 50.70%	NT: 67.53%	NT: 65.73%
	AA: 83.33%	AA: 47.24%	AA: 78.71%	AA: 49.43%	AA: 76.45%	AA: 71.04%
<b>MBLV (MW653808.1)</b>	NT: 67.79%	NT: 51.33%	NT: 62.37%	NT: 48.75%	NT: 67.85%	NT: 65.79%
	AA: 82.89%	AA: 48.28%	AA: 79.21%	AA: 50.77%	AA: 75.98%	AA: 71.06%

**Table S3.** Summary of pathogenic determinants in lyssaviruses.

Amino acid position	N		P		M					G					L							
	F273	Y394	F395	DKSTQ 143-147	PSAP 22-25	PPEY 35-38	R77	E81	V95	K83	N194	R/K196	A242	D255	I268	F318	K330	R333	G349	H352	K1685	K1829
<b>Phylogroup I</b>																						
RABV PV-2061 (JX276550.1)					<u>V</u> SAP									<u>G</u>								
RABV (NC001542.1)					<u>V</u> SAP									<u>G</u>								
GBLV (NC031988.1)	<u>F</u>				<u>V</u> SAP					<u>I</u>		<u>S</u>			<u>V</u>			<u>E</u>	<u>Y</u>			
ABLV (NC003243.1)			<u>L</u>	<u>S</u> KSTQ	<u>A</u> STL		<u>E</u>			<u>M</u>		<u>S</u>	<u>N</u>		<u>I</u>			<u>E</u>				
KBLV (LR994545.1)	<u>F</u>				<u>A</u> SAP					<u>I</u>		<u>S</u>	<u>N</u>		<u>I</u>						<u>Y</u>	
EBLV-2 (NC009528.2)		<u>L</u>	<u>Y</u>		<u>V</u> SAP			<u>G</u>		<u>I</u>		<u>S</u>			<u>V</u>	<u>I</u>					<u>Y</u>	
KHUV (NC025385.1)	<u>F</u>				<u>V</u> SAP	<u>P</u> PE <u>S</u>	<u>K</u>	<u>G</u>		<u>I</u>		<u>S</u>				<u>I</u>					<u>Y</u>	
BBLV (NC025251.1)	<u>F</u>				<u>M</u> SAP			<u>G</u>		<u>I</u>		<u>S</u>			<u>V</u>	<u>I</u>					<u>Y</u>	
ARAV (NC020808.1)	<u>F</u>				<u>V</u> SAP		<u>K</u>	<u>G</u>	<u>R</u>	<u>I</u>		<u>S</u>	<u>N</u>		<u>I</u>						<u>Y</u>	
IRKV (NC020809.1)	<u>F</u>			<u>E</u> KSTQ	<u>V</u> SAP		<u>K</u>	<u>G</u>		<u>I</u>		<u>S</u>	<u>G</u>		<u>I</u>							
EBLV-1 (NC009527.1)	<u>F</u>			<u>D</u> KSTR	<u>V</u> SAP		<u>S</u>	<u>G</u>		<u>I</u>		<u>S</u>			<u>I</u>							
DUVV (NC020810.1)	<u>F</u>				<u>V</u> SAP			<u>G</u>	<u>R</u>	<u>R</u>	<u>M</u>	<u>S</u>			<u>I</u>						<u>Y</u>	
TWBLV-1 (NC055474.1)	<u>F</u>			<u>D</u> K <u>Y</u> TQ	<u>V</u> SAP		<u>K</u>	<u>G</u>				<u>S</u>	<u>G</u>		<u>I</u>		<u>R</u>					
TWBLV-2 (ON437589.1)	<u>F</u>				<u>V</u> SAP		<u>K</u>	<u>G</u>		<u>I</u>		<u>S</u>			<u>I</u>							
PBLV (OQ970171.1)				<u>D</u> K <u>S</u> <u>V</u> Q	<u>I</u> SAP			<u>G</u>				<u>S</u>			<u>L</u>	<u>M</u>					<u>Y</u>	
<b>Phylogroup II</b>																						
LBV (NC020807.1)	<u>F</u>			<u>N</u> RQ <u>T</u> Q	<u>A</u> SAP		<u>K</u>	<u>N</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>S</u>			<u>L</u>		<u>D</u>	<u>N</u>	<u>M</u>			

MOKV (NC006429.1)	<u>F</u>		<u>SIQIQ</u>	<u>ASAP</u>	<u>K</u>	<u>N</u>		<u>S</u>	<u>N</u>	<u>S</u>	<u>N</u>	<u>L</u>	<u>D</u>	<u>Q</u>	<u>M</u>		
SHIBV (NC025365.1)	<u>F</u>		<u>NKSVQ</u>		<u>K</u>	<u>N</u>		<u>I</u>	<u>I</u>	<u>S</u>	<u>N</u>	<u>A</u>	<u>D</u>	<u>D</u>	<u>L</u>		
Unassigned lyssaviruses																	
IKOV (NC018629.1)	<u>D</u>	<u>W</u>	<u>DKFSQ</u>	<u>APVL</u>		<u>G</u>	<u>I</u>	<u>Q</u>	<u>A</u>	<u>I</u>	<u>S</u>	<u>S</u>	<u>I</u>	<u>D</u>			
LLEBV (NC031955.1)	<u>N</u>	<u>W</u>	<u>DKATQ</u>	<u>ASAP</u>	<u>K</u>	<u>S</u>		<u>Q</u>	<u>S</u>	<u>I</u>	<u>S</u>	<u>S</u>	<u>L</u>	<u>I</u>	<u>S</u>	<u>Y</u>	
WCBV (NC025377.1)	<u>F</u>	<u>Y</u>	<u>DI<del>A</del>VQ</u>			<u>N</u>			<u>I</u>		<u>S</u>	<u>S</u>	<u>L</u>	<u>I</u>	<u>I</u>	<u>E</u>	<u>Y</u>
MBLV (MW653808.1)	<u>F</u>	<u>Y</u>	<u>DI<del>A</del>IQ</u>			<u>G</u>			<u>I</u>		<u>S</u>	<u>S</u>	<u>L</u>	<u>I</u>	<u>I</u>	<u>E</u>	<u>Y</u>

Amino acid changes are underlined and in bold if the change affects the characteristics of the amino acid.

**Table S4.** Summary of amino acid changes in antigenic regions on the G protein for lyssaviruses.

Amino acid position	Site II-b 34-42	Site II-a 198-200	Site I 226-231	Site IV 251	Site G5 261-264	Site III 330-338	Site G1 342-343
<b>Phylogroup I</b>							
RABV PV-2061 (JX276550.1)	GCTNLSGFS <sup>A</sup>	KRA <sup>D</sup>	KLCGVL <sup>G</sup>	W <sup>L</sup>	HDFR <sup>N</sup>	KSVRTWNEI <sup>R</sup>	KG <sup>T</sup>
RABV (NC001542.1)	GCTNLSGFS <sup>A</sup>	KRA <sup>D</sup>	KLCGVL <sup>G</sup>	W <sup>L</sup>	HDFR <sup>N</sup>	KSVRTWNEI <sup>R</sup>	KG <sup>T</sup>
GBLV (NC031988.1)	GCTSLSGFS <sup>B</sup>	KKA <sup>E</sup>	KLCGIS <sup>H</sup>	W <sup>L</sup>	HDFH <sup>O</sup>	KSVRAWNEI	KG <sup>T</sup>
ABLV (NC003243.1)	GCTSLSGFS <sup>B</sup>	KKA <sup>E</sup>	KLCGIS <sup>H</sup>	W <sup>L</sup>	HDFN	KSVRTWDEI	KG <sup>T</sup>
KBLV (LR994545.1)	GCTTL <del>S</del> A <del>F</del> S	KRA <sup>D</sup>	KLCGIS <sup>H</sup>	W <sup>L</sup>	HDFH <sup>O</sup>	KSIRDWTEI	KG <sup>T</sup>
EBLV-2 (NC009528.2)	GCTTL <del>T</del> VFS	KKA <sup>E</sup>	KLCGIS <sup>H</sup>	W <sup>L</sup>	HDFH <sup>O</sup>	KSIREWTDV	KG <sup>T</sup>
KHUV (NC025385.1)	GCTTL <del>S</del> GF <del>T</del>	KRA <sup>D</sup>	KLCGV <del>S</del> <sup>I</sup>	W <sup>L</sup>	HDFH <sup>O</sup>	KSIREWSEI	KG <sup>T</sup>
BBLV (NC025251.1)	GCTNLSGFT	KKA <sup>E</sup>	KLCGV <del>S</del> <sup>I</sup>	W <sup>L</sup>	HDFH <sup>O</sup>	KSIRQWTEI	KG <sup>T</sup>
ARAV (NC020808.1)	GCTTL <del>T</del> A <del>F</del> S	KKA <sup>E</sup>	KLCGM <del>V</del>	W <sup>L</sup>	HDFH <sup>O</sup>	KSVREWTEV	KG <sup>T</sup>
IRKV (NC020809.1)	GCTTL <del>T</del> A <del>F</del> N	KKA <sup>E</sup>	KLCGMA	W <sup>L</sup>	HDFH <sup>O</sup>	KSIREWKEI <sup>S</sup>	KG <sup>T</sup>
EBLV-1 (NC009527.1)	GCTTL <del>T</del> IPFS <sup>C</sup>	KKA <sup>E</sup>	R <del>L</del> CGV <del>P</del>	W <sup>L</sup>	HDFH <sup>O</sup>	KSVREWKEV	KG <sup>T</sup>
DUVV (NC020810.1)	GCTTL <del>T</del> IPFS <sup>C</sup>	KKA <sup>E</sup>	R <del>L</del> CGIS	W <sup>L</sup>	HDFH <sup>O</sup>	KSVREWKEI <sup>S</sup>	KG <sup>T</sup>
TWBLV-1 (NC055474.1)	GCN <del>T</del> LSSFS	KMA	KLCGIS <sup>H</sup>	P	HDFR <sup>N</sup>	RSIRNWTEV	KG <sup>T</sup>
TWBLV-2 (ON437589.1)	GCN <del>T</del> LTPFS	SMA	KLCGIS <sup>H</sup>	Q	HDFR <sup>N</sup>	KSVRNWTEV	KG <sup>T</sup>
PBLV (OQ970171.1)	E <del>C</del> TTLIPFS	KRA <sup>D</sup>	KLCGIS <sup>H</sup>	W <sup>L</sup>	HSFQ	KSIREWKDI	KG <sup>T</sup>
<b>Phylogroup II</b>							
LBV (NC020807.1)	GCSETSSFT	RKA	TLCGK <del>P</del> <sup>J</sup>	W <sup>L</sup>	HNNR <sup>P</sup>	KRVDNWVDI	KG <sup>T</sup>
MOKV (NC006429.1)	GCNAESSFT	KKA <sup>E</sup>	TLCGRP	W <sup>L</sup>	HNDR	KRV <del>D</del> KWADI	KG <sup>T</sup>
SHIBV (NC025365.1)	GCSSSTFS	KKS	TLCGK <del>P</del> <sup>J</sup>	W <sup>L</sup>	HNNR <sup>P</sup>	KRVDRWEEI	KG <sup>T</sup>

Unassigned lyssaviruses							
<b>IKOV (NC018629.1)</b>	<u>GC</u> <u>NEG</u> <u>SKVS</u>	<u>ILL</u>	<u>IICGKS</u>	<u>M</u>	<u>HTVK</u>	<u>KSVDN</u> <u>WTDI</u>	PI <sup>U</sup>
<b>LLEBV (NC031955.1)</b>	<u>NCTDHGEIN</u>	<u>RLF</u>	<u>TICGKS</u>	<u>V<sup>M</sup></u>	<u>HTTK</u>	<u>KSVSN</u> <u>WSEI</u>	PI <sup>U</sup>
<b>WCBV (NC025377.1)</b>	<u>YCTTEQSIT</u>	<u>KL</u> <u>V<sup>F</sup></u>	<u>SICGRO<sup>K</sup></u>	<u>V<sup>M</sup></u>	<u>HDIK<sup>Q</sup></u>	<u>IKVEN</u> <u>WSEV</u>	KG <sup>T</sup>
<b>MBLV (MW653808.1)</b>	<u>DCTSEQSIT</u>	<u>KL</u> <u>V<sup>F</sup></u>	<u>SICGRO<sup>K</sup></u>	<u>A</u>	<u>HDIK<sup>Q</sup></u>	<u>IKVEN</u> <u>WSDI</u>	KG <sup>T</sup>

Amino acid changes from the amino acid sequence for RABV PV-2061 (JX276550.1) are underlined and highlighted if the change affects the characteristics of the amino acid.

Identical antigenic sites are indicated from A-U.