

S6 Table: Pairwise similarities inferred from distance estimations of an L gene region between selected *Bunyavirales*

Accession	Members of the order as comparison	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	this study	NB/PhenuiV/Neo11304/RSA	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.029	0.030	0.031	0.032	0.031	0.031	0.032	0.031	0.031	0.032	0.032	0.030	0.031	0.030	0.030	0.030	
2	KX886767	Bat/VNM/16715_38	68.7	0.004	0.004	0.004	0.004	0.005	0.006	0.006	0.008	0.008	0.008	0.008	0.006	0.006	0.028	0.029	0.030	0.031	0.030	0.030	0.030	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.030	
3	KX886785	Bat/VNM/16845_8	68.3	99.6	0.000	0.000	0.000	0.004	0.004	0.004	0.007	0.008	0.007	0.007	0.004	0.004	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.030	
4	KX886779	Bat/VNM/16715_84	68.3	99.6	100.0	0.000	0.000	0.004	0.004	0.004	0.007	0.008	0.007	0.007	0.004	0.004	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.030	
5	KX886775	Bat/VNM/16715_70	68.3	99.6	100.0	100.0	0.000	0.004	0.004	0.004	0.007	0.008	0.007	0.007	0.004	0.004	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.030	
6	KX886769	Bat/VNM/16715_45	68.3	99.6	100.0	100.0	100.0	0.004	0.004	0.004	0.007	0.008	0.007	0.007	0.004	0.004	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.030	
7	KX886761	Bat/VNM/16715_14	68.3	99.2	99.6	99.6	99.6	99.6	0.005	0.006	0.008	0.009	0.008	0.008	0.005	0.005	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.030	
8	KX886759	Bat/VNM/16715_13	67.9	99.2	99.6	99.6	99.6	99.2	0.005	0.008	0.009	0.008	0.008	0.006	0.006	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.031	0.031	0.032	0.032	0.031	0.031	0.030	0.028	0.029
9	KX886783	Bat/VNM/16715_88	67.9	99.2	99.6	99.6	99.6	99.2	99.2	0.008	0.009	0.008	0.008	0.005	0.005	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.031	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.030
10	KX886781	Bat/VNM/16715_86	67.9	98.4	98.8	98.8	98.8	98.4	98.4	98.4	0.004	0.000	0.000	0.008	0.008	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.029		
11	KX886777	Bat/VNM/16715_77	68.3	98.0	98.4	98.4	98.4	98.0	98.0	99.6	0.004	0.004	0.008	0.008	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.029			
12	KX886773	Bat/VNM/16715_53	67.9	98.4	98.8	98.8	98.8	98.4	98.4	98.4	100.0	99.6	0.000	0.008	0.008	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.029		
13	KX886765	Bat/VNM/16715_23	67.9	98.4	98.8	98.8	98.8	98.4	98.4	98.4	100.0	99.6	100.0	0.008	0.008	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.029		
14	KX886763	Bat/VNM/16715_22	67.9	99.2	99.6	99.6	99.6	99.2	99.2	99.2	98.4	98.0	98.4	98.4	0.000	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.030		
15	KX886771	Bat/VNM/16715_5	67.9	99.2	99.6	99.6	99.6	99.2	99.2	98.4	98.0	98.4	98.4	100.0	0.028	0.029	0.030	0.031	0.030	0.030	0.031	0.030	0.030	0.031	0.030	0.032	0.032	0.031	0.030	0.030	0.029	0.030	
16	KC154063	Bat/Rh. pearsoni/Shanxi/2011	63.5	70.3	69.9	69.9	69.9	69.9	70.3	69.5	69.5	69.1	69.5	69.5	70.3	70.3	0.030	0.030	0.030	0.031	0.031	0.031	0.030	0.030	0.030	0.031	0.030	0.030	0.030	0.029	0.030		
17	KM817705	Zhee Mosquito virus XC1_8	61.0	61.4	61.8	61.8	61.8	61.4	62.2	61.4	61.4	61.8	61.4	61.4	61.4	61.4	60.6	0.030	0.030	0.030	0.030	0.031	0.029	0.029	0.030	0.031	0.030	0.029	0.030	0.029	0.030		
18	NC_018463	Shamonda virus	38.2	43.4	43.4	43.4	43.4	43.4	43.8	43.4	43.8	43.8	43.8	43.8	43.4	43.4	38.2	37.3	0.027	0.028	0.027	0.029	0.029	0.029	0.030	0.030	0.030	0.029	0.029	0.030	0.030		
19	KP691606	Oropouche virus BeH759021	39.8	43.4	43.0	43.0	43.0	43.0	43.0	43.4	43.4	41.8	41.4	41.8	41.8	43.4	43.4	43.0	37.8	73.5	0.027	0.027	0.028	0.029	0.029	0.031	0.031	0.030	0.029	0.030	0.030	0.030	
20	KP063898	Bunyamwera virus SFAbCrEq238	41.8	41.8	42.2	42.2	42.2	42.2	42.2	42.6	42.2	41.0	41.0	41.0	41.0	42.6	42.6	43.0	39.4	70.3	72.3	0.026	0.027	0.029	0.029	0.031	0.031	0.030	0.029	0.030	0.030	0.029	
21	NC_034499	Kaeng Khoi bat virus PSC-19	38.6	41.0	40.6	40.6	40.6	40.6	40.6	41.0	41.0	40.2	40.2	40.2	40.2	41.0	41.4	37.8	69.9	73.9	75.1	0.026	0.029	0.029	0.031	0.031	0.032	0.029	0.031	0.030	0.030		
22	NC_034479	Bwamba virus M459	42.2	41.0	41.4	41.4	41.4	41.4	41.4	41.8	41.0	41.8	41.8	41.8	41.4	41.4	41.4	38.6	66.3	73.5	71.9	74.3	0.029	0.029	0.030	0.031	0.030	0.029	0.030	0.030	0.030		
23	KR017842	SFTSV_HN-LR/China/05/2012	47.0	43.0	43.0	43.0	43.0	43.0	43.0	43.4	43.4	42.2	42.2	42.2	42.2	43.0	43.0	41.8	43.0	37.3	38.2	41.0	40.2	39.8	0.004	0.029	0.028	0.029	0.000	0.030	0.028	0.029	
24	KU361343	SFTSV_ZL13-32	46.6	43.4	43.4	43.4	43.4	43.4	43.8	43.8	42.6	42.6	42.6	42.6	43.4	43.4	41.8	42.6	37.8	38.2	41.4	40.2	39.8	99.6	0.028	0.028	0.029	0.004	0.030	0.028	0.029		
25	KF186494	Malsoor virus NIV1050639	45.8	48.6	48.6	48.6	48.6	48.2	48.2	49.0	48.6	48.6	48.6	48.6	48.6	48.6	43.4	44.2	39.4	39.0	44.2	42.2	39.4	67.1	67.5	0.007	0.030	0.029	0.030	0.028	0.029		
26	KF186497	Malsoor virus NIV1050650	46.2	48.2	48.2	48.2	48.2	47.8	47.8	48.6	48.2	48.2	48.2	48.2	48.2	43.0	44.6	39.8	39.0	44.6	42.6	39.8	67.9	68.3	98.8	0.030	0.028	0.030	0.028	0.029			
27	KM817665	Changping Tick virus 1/CP1/2	49.0	47.4	47.4	47.4	47.4	47.4	47.8	47.8	47.0	47.8	47.8	47.8	47.0	47.0	44.2	46.2	37.8	37.3	39.8	41.8	41.4	53.4	53.4	49.0	49.4	0.029	0.030	0.029	0.029		
28	JF906039	Huaiyangshan virus isolate XCQ-182L	47.0	43.0	43.0	43.0	43.0	43.0	43.4	43.4	42.2	42.2	42.2	42.2	43.0	43.0	41.8	43.0	37.3	38.2	41.0	40.2	39.8	100.0	99.6	67.1	67.9	53.4	0.030	0.028	0.029		
29	NC_015374	Candiru virus	49.0	54.2	54.2	54.2	54.2	53.8	54.6	54.6	54.2	54.2	54.2	54.2	53.8	53.8	52.2	48.2	43.0	43.8	44.6	45.4	46.2	50.2	50.2	50.6	51.0	60.2	50.2	0.029	0.030		
30	JQ287716	Mouyassue virus (hantavirus)	32.9	35.3	34.9	34.9	34.9	34.9	34.5	34.9	35.3	35.3	35.3	35.3	35.3	35.3	38.6	34.5	40.2	39.0	39.0	40.6	38.6	30.9	30.9	32.9	32.1	32.9	30.9	36.5	0.028		
31	KF704717	Xuan son virus F44601 (hantavirus)	37.3	37.3	37.3	37.3	37.3	37.3	36.9	37.3	36.5	36.5	36.5	36.5	36.5	37.8	37.8	37.8	36.1	40.2	43.0	40.2	47.8	41.0	30.1	30.1	30.5	30.9	34.5	30.1	36.5	69.9	