

Appendix Table. Amino acid and nucleotide acid sequence identities of VP1 sequences between SAFV strains, Beijing, People's Republic of China, March 2006–November 2007\*†

Sublineage and strain	[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]
SAFV-1																									
[1] GL311																									
[2] GL317	99.2/ 99.3																								
[3] GL328	98.9/ 99.3	99.6/ 99.7																							
[4] GL341	98.5/ 99.2	99.2/ 99.6	98.9/ 99.6																						
[5] GL352	99.2/ 99.5	100.0/ 99.8	99.6/ 99.8	99.2/ 99.7																					
[6] GL361	98.9/ 99.3	99.6/ 99.7	99.2/ 99.7	98.9/ 99.6	99.6/ 99.8																				
[7] GL362	99.2/ 99.3	100.0/ 100.0	99.6/ 99.7	99.2/ 99.6	100.0/ 99.8	99.6/ 99.7																			
[8] GL365	99.2/ 99.5	100.0/ 99.8	99.6/ 99.8	99.2/ 99.7	100.0/ 100.0	99.6/ 99.7	100.0/ 99.8																		
[9] GL368	99.2/ 99.3	100.0/ 99.7	99.6/ 99.7	99.2/ 99.6	100.0/ 99.8	99.6/ 99.7	100.0/ 99.7	100.0/ 99.8																	
[10] GL371	99.2/ 99.3	100.0/ 99.7	99.6/ 99.7	99.2/ 99.7	100.0/ 99.8	99.6/ 99.7	100.0/ 99.7	100.0/ 99.8	100.0/ 99.7																
[11] GL376	99.2/ 99.5	100.0/ 99.8	99.6/ 99.8	99.2/ 99.7	100.0/ 100.0	99.6/ 99.8	100.0/ 99.8	100.0/ 100	100.0/ 99.8	100.0/ 99.8															
[12] GL377	99.2/ 99.3	100.0/ 99.7	99.6/ 99.7	99.2/ 99.6	100.0/ 99.8	99.6/ 99.7	100.0/ 99.7	100.0/ 99.8	100.0/ 99.7	100.0/ 99.7	100.0/ 99.8														
[13] Saffold_virus	98.1/ 86.3	98.9/ 86.6	98.5/ 86.6	98.1/ 86.6	98.9/ 86.7	98.5/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6	98.9/ 86.6
SAFV-2																									
[14] Can112051-06	74.1/ 66.8	74.9/ 67.0	74.5/ 66.9	74.1/ 66.9	74.9/ 67.0	74.5/ 66.9	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 66.9	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0	74.9/ 67.0
[15] D/VI2229/2004	73.0/ 66.2	73.8/ 66.7	73.4/ 66.5	73/ 66.8	73.8/ 66.7	73.4/ 66.5	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7	73.8/ 66.7
[16] BR/118/2006	74.5/ 67.3	75.2/ 67.5	74.9/ 67.4	74.5/ 67.4	75.2/ 67.5	74.9/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5	75.2/ 67.5
[17] HTCV_EU376394	74.1/ 67.1	74.9/ 67.4	74.5/ 67.3	74.1/ 67.3	74.9/ 67.4	74.5/ 67.3	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4	74.9/ 67.4
[18] UC3	72.7/ 66.5	73.4/ 66.8	73.0/ 66.7	72.7/ 66.7	73.4/ 66.8	73/ 66.7	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8	73.4/ 66.8
[19] UC4	73.8/ 67.4	74.5/ 67.6	74.1/ 67.5	73.8/ 67.5	74.5/ 67.6	74.1/ 67.5	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6	74.5/ 67.6
[20] UC6	74.1/ 67.6	74.9/ 67.9	74.5/ 67.7	74.1/ 67.7	74.9/ 67.7	74.5/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7	74.9/ 67.7
[21] UC7	73.8/ 67.3	74.5/ 67.5	74.1/ 67.4	73.8/ 67.4	74.5/ 67.5	74.1/ 67.4	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5	74.5/ 67.5
SAFV-3																									
[22] D/VI2273/2004	65.9/ 62.7	66.6/ 62.8	66.3/ 62.8	66.6/ 62.8	66.6/ 62.9	66.3/ 62.8	66.6/ 62.8	66.6/ 62.9	66.6/ 63.0	66.6/ 62.8	66.6/ 62.9	66.6/ 62.8	66.6/ 62.9	66.6/ 62.8	66.6/ 62.9	66.6/ 63.4	66.6/ 64.7	66.6/ 65.7	66.6/ 65.2	66.6/ 64.7	66.6/ 65.7	66.6/ 65.3	66.6/ 65.3	66.6/ 65.3	66.6/ 65.3
[23] D/VI2223/2004	65.9/ 63.1	66.6/ 63.3	66.3/ 63.3	66.6/ 63.3	66.6/ 63.4	66.3/ 63.3	66.6/ 63.3	66.6/ 63.4	66.6/ 63.5	66.6/ 63.3	66.6/ 63.4	66.6/ 63.3	66.6/ 63.4	66.6/ 63.3	66.6/ 63.4	66.6/ 63.3	66.6/ 63.4	66.6/ 63.3	66.6/ 63.4	66.6/ 63.3	66.6/ 63.4	66.6/ 63.3	66.6/ 63.4	66.6/ 63.3	66.6/ 63.4

[24] UC2	65.9/ 62.8	66.6/ 63.1	66.3/ 63.1	66.6/ 63.4	66.6/ 63.3	66.3/ 63.1	66.6/ 63.1	66.6/ 63.3	66.6/ 63.4	66.6/ 63.3	66.6/ 63.3	66.6/ 63.1	66.3/ 63.8	72.1/ 65.3	71.0/ 64.8	72.1/ 65.3	72.1/ 65.2	70.3/ 63.9	71.7/ 64.6	72.1/ 64.6	71.7/ 64.8	98.8/ 88.4	98.8/ 88.8	
[25] UC5	65.9/ 62.3	66.6/ 62.4	66.3/ 62.4	66.6/ 62.7	66.6/ 62.5	66.3/ 62.4	66.6/ 62.4	66.6/ 62.5	66.6/ 62.7	66.6/ 62.5	66.6/ 62.5	66.6/ 62.4	66.3/ 63.4	72.1/ 65.9	71.0/ 65.9	72.1/ 65.6	72.1/ 65.6	70.3/ 64.8	71.7/ 64.8	72.1/ 64.8	71.7/ 65.6	98.8/ 88.6	98.8/ 89	100.0/ 96.0

\*VP1, virus protein 1; SAFV, Saffold cardiovirus; HTCV, human Theiler's murine encephalomyelitis virus-like cardiovirus.

†All results are based on the pairwise analysis of 25 currently available sequences of SAFV VP1 genes by using MEGA version 4.0 (14). Identification of these SAFV strains is shown in the legend of the Figure. The final dataset contained a total of 273 positions. The results showed the similarity in amino acids and nucleotide sequences between these positive samples and the VP1 of other SAFVs. Because the sequences of SAFV-4 to SAFV-8 are not available, they are not included in amino acid and nucleotide acid sequence identity analysis. Values are expressed as identity of amino acid sequences/identity of nucleotide sequences.