

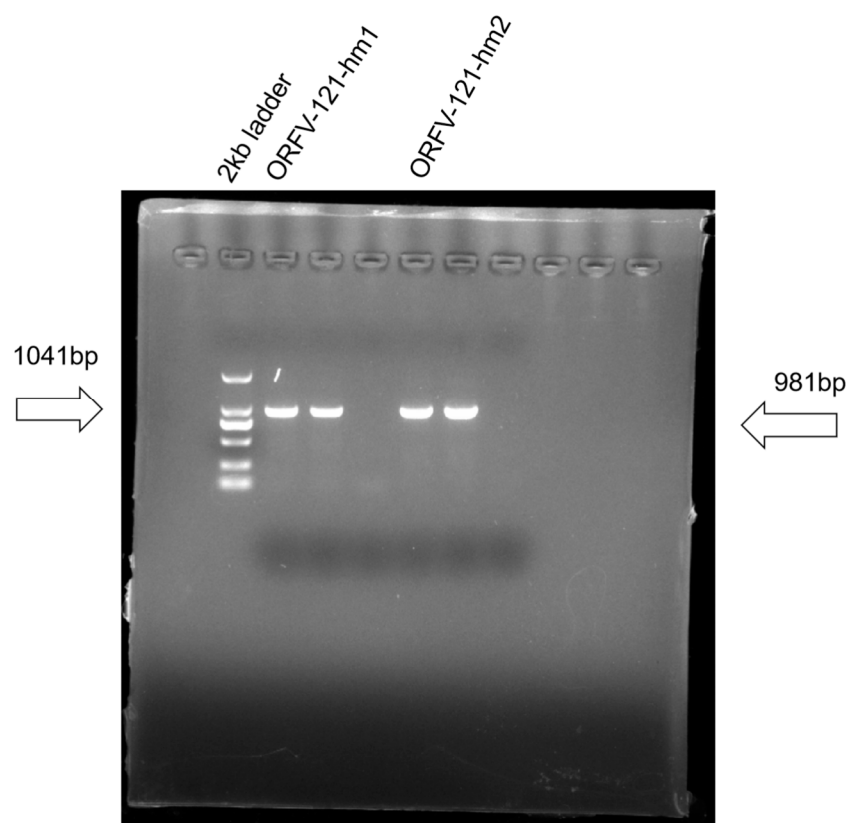
Supplementary materials

Table S1. Primers used to generate and identify the recombinant viruses.

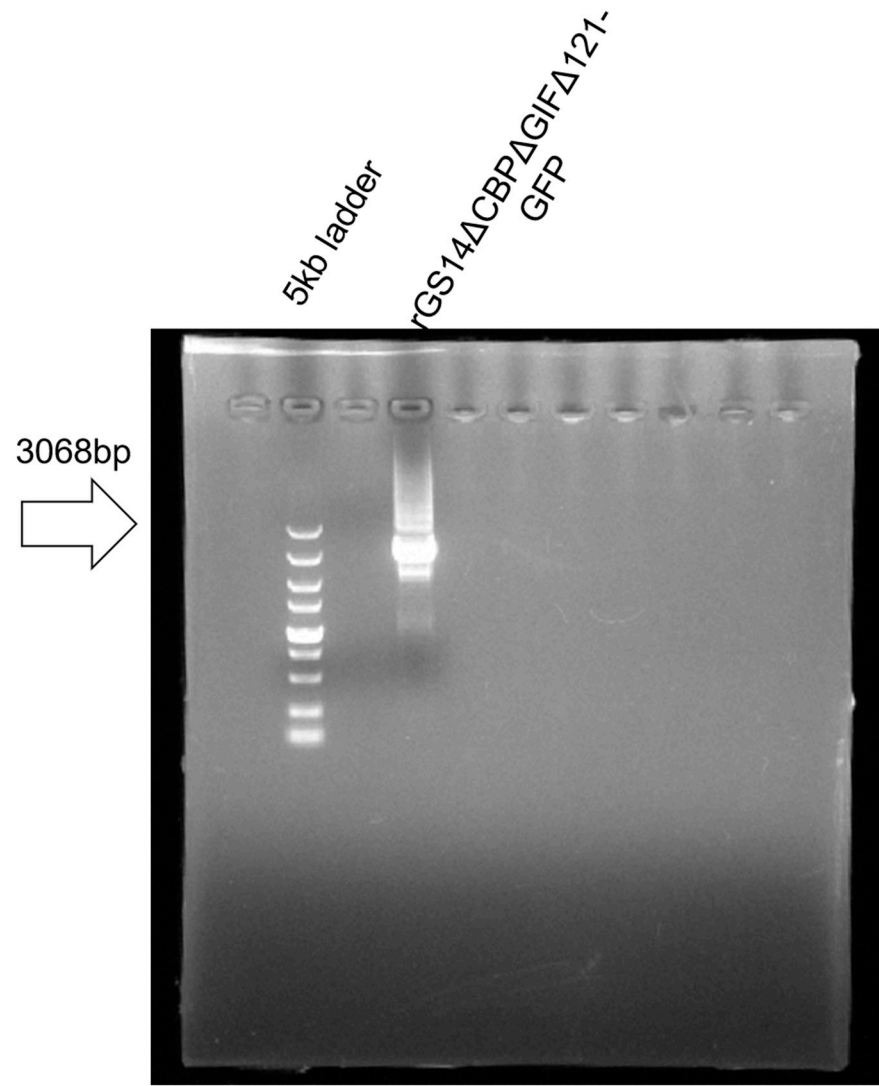
Primers	Sequence (5'–3')	Descriptions
121-hm1 F	CGACATCGCACACAAATGAAGGACA	Used to amplify the left arm of rGS14ΔCBPΔGIFΔ121-EGFP
121-hm1 R	ACGTAGAAGACCAGGAAACAG GGTTGTGTGGGCCACAGAGTTGAGT	
121-hm2 F	ACTCATCAATGTATCTTAAGGCGTGAAAGTGCGTTTTTCTGTAAT GTGA	Used to amplify the right arm of rGS14ΔCBPΔGIFΔ121-EGFP
121-hm2 R	CGTAGCAGAACAGCGACAGC	
121-EGFP F	ACTCAACTCTGTGGCCACACAACC CTGTTTCCTGGTCTTCTACGT	Used to amplify the EGFP marker gene
121-EGFP R	TCACATTACAGAAAAACGCACTTTCACGCCTTAAGATACATTGAT GAGT	
121-hm1-hm2 F	ACTCTGTGGCCACACAACCGAAAGTGCGTTTTTCTGTAAT	Used to amplify the right arm of rGS14ΔCBPΔGIFΔ121
121-hm2-hm1 R	TTACAGAAAAACGCACTTTCGGTTGTGTGGGCCACAGA	Used to amplify the left arm of rGS14ΔCBPΔGIFΔ121
121 F	TAGGTGCGTTCAGAGGCG	Used to identify the 121 gene in ORFV
121 R	CGTAGCAGAACAGCGACAGC	

Table S2. Clinical scoring sheet.

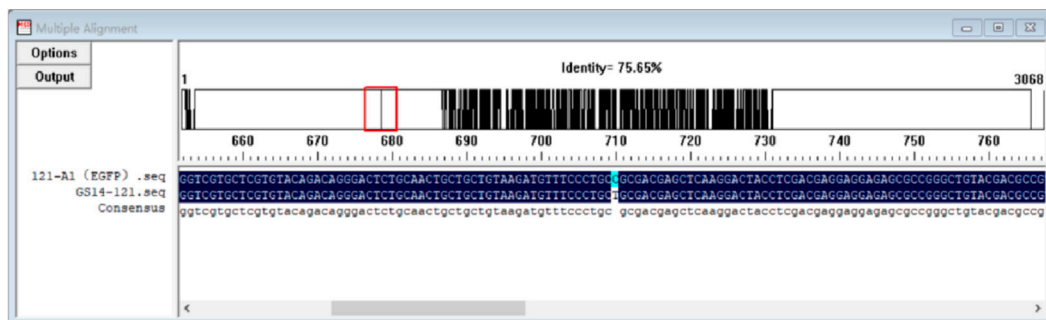
	absence (0')	mild or small number (1')	moderate or medium number (2')	severe or high number (3')
hyperemia				
vesicles and/or pustules				
scabs				
exudation and/or bleeding				



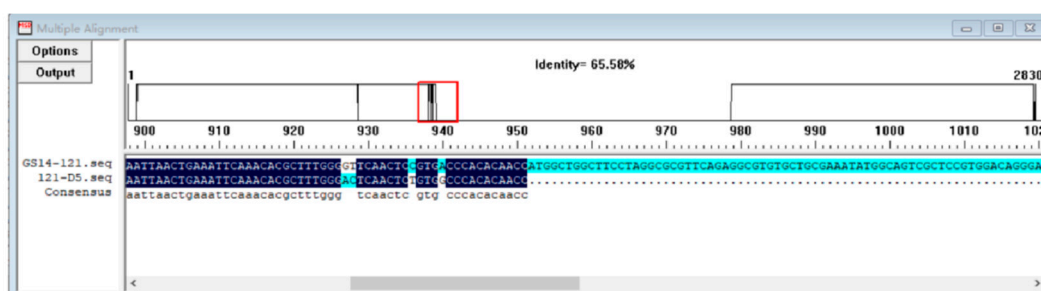
A



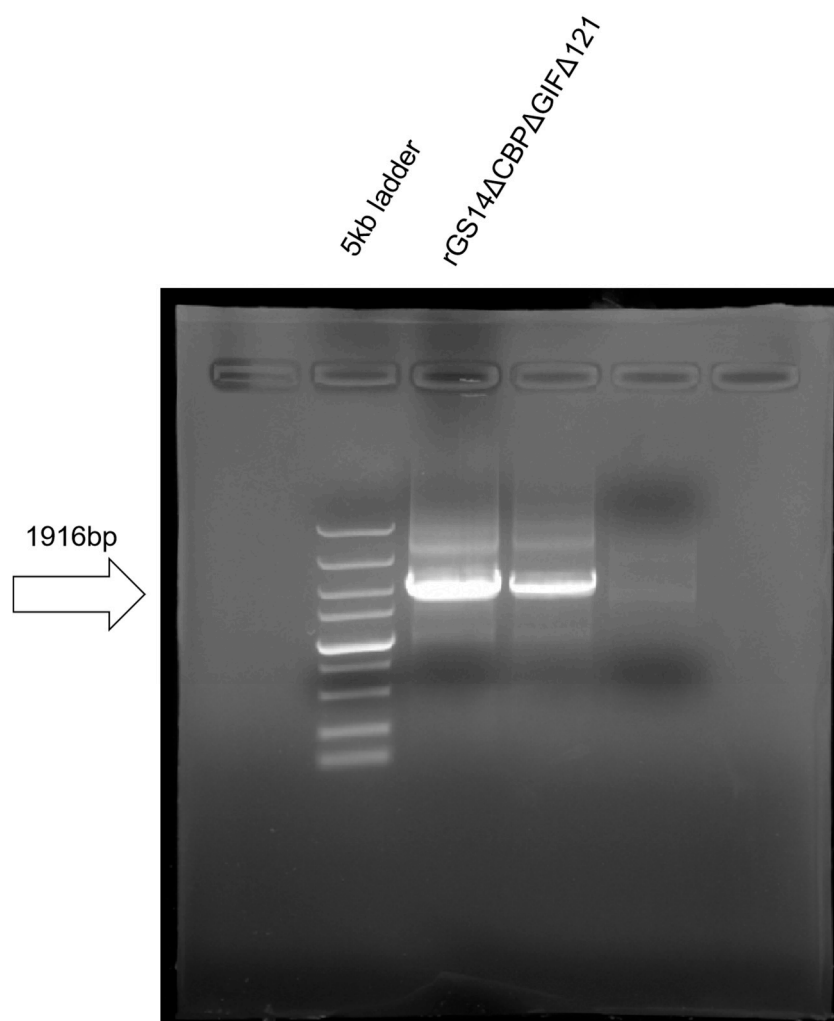
B



C



D



E

Figure S1. Partial identification results of recombinant virus rGS14ΔCBPΔGIFΔ121 construct. **A:** Bands showed the rGS14ΔCBPΔGIF containing 121 left homology arm and right homology arm.; **B:** The band showed the generation of rGS14ΔCBPΔGIFΔ121-GFP. **C:** Sequencing result of rGS14ΔCBPΔGIFΔ121-GFP compared with 121 gene of GS14. **D:** Sequencing result of rGS14ΔCBPΔGIFΔ121 compared with GS14-121. **E:** The band showed the construction of rGS14ΔCBPΔGIFΔ121