

Table S1. The mutation amino acid (aa) sites in coding region of Cell-free BFV.

AA site	Gag		AA site	Pol		AA site	Env	
	BFV-B	BFV-Z1		BFV-B	BFV-Z1		BFV-B	BFV-Z1
78	P	T	16	P	L	42	D	N
176→	PLPAP		18	S	G	55	V	I
189	PIGPP		57	Y	C	134	P	H
	PPAA		111	I	V	816	H	Y
440	S	F	118	S	P	823	P	S
			174	G	D	898	E	K
			315	V	M	976	R	K
	Tas		344	K	R	978	L	S
184	C	R	862	T	N			
			901	I	V			
			974	N	S			
	Bet		1080	P	L			
313	S	G	1179	H	Y			
366	E	K						
392	R	H						

Table S2. The mutation sites in noncoding region of Cell-free BFV.

5'LTR			3'LTR		
position	BFV-B	BFV-Z1	position	BFV-B	BFV-Z1
76	A	G	10803	A	G
340	G	A	10962	G	A
662	A	G	11041	G	A
695	A	G	11164	G	A
729	G	A	11308	C	T
820	T	C	11396	A	G
833	G	A	11430	A	G

908	G	A	11438	C	A
934	G	A	11534	G	A
971	C	T	11609	G	A
985	A	C	11635	G	A
993-994	..	CT	11646	T	C
1021	T	A	11683	A	G
1107	G	A	11686	A	G
1118	C	T	11693-11694	..	CT
1131	C	T	11722	T	A
1160	T	C	11808	G	A
1161	C	T	11819	C	T
1249	G	A	11861	T	C
			11862	C	T
			11927	T	C
	IP				
position					
	BFV-B	BFV-Z1			
9251	A	G			
9315	G	A			