



**Figure S1: Analysis of viral sequences from SFV-infected human BAD456.** Uncultured PBMCs and saliva samples from BAD456 hunter accidentally infected by a *Gorilla gorilla* SFV strain were analyzed for the presence of SFV sequences. A total of 18 and 20 different PCR-derived clones are depicted for PBMCs (blue) and saliva (red) samples respectively. Their consensus sequences (PBMC-cons and SALIVA-cons, respectively) are also depicted. The 8 reference SFV sequences available in GenBank from gorillas of the *Gorilla gorilla* species are aligned (green). 5 G-to-A mutations found in the hunter samples in a GG dinucleotide context and absent in the 8/8 gorillas sequences are highlighted in blue. Sequences are aligned to the consensus sequence of PBMCs samples, which served as a reference due to its high similarity with gorilla strains. The 425bp-fragment of the *pol-in* sequence is shown. Due to the low SFV viral load, BAD456 clones of each cluster might derive from one to few *in vivo* SFV copies.

	180	200	220	240	260	280	300	320
BAD456 PBMC-cons	TGGTAGAGAAGCTACTCTTTTAAAAATTGCTAACTTATATGGTGGCCTAATATGAGGAAGGATGTGGTTAAACAGCTGGGACGCTGTCAGCAGTGT	TTAGTCACGAACTTTTAATCAAACCTCAGGCCCTATTTTGGCGCTACAAGGCCTTTGAAG						
BAD456 PBMC cl1		C						
BAD456 PBMC cl10		T						
BAD456 PBMC cl11								
BAD456 PBMC cl12								
BAD456 PBMC cl13								
BAD456 PBMC cl14								
BAD456 PBMC cl15					G			
BAD456 PBMC cl16				A				
BAD456 PBMC cl17								
BAD456 PBMC cl18						G		
BAD456 PBMC cl19								
BAD456 PBMC cl2						G		
BAD456 PBMC cl3								
BAD456 PBMC cl4		C						
BAD456 PBMC cl6			C					
BAD456 PBMC cl7								
BAD456 PBMC cl8								
BAD456 PBMC cl9								
BAD456 SALIVA-cons			A				A	
BAD456 SALIVA cl1			A				A	
BAD456 SALIVA cl10			A				A	
BAD456 SALIVA cl11			A				A	
BAD456 SALIVA cl12		C					A	
BAD456 SALIVA cl13					C		A	G
BAD456 SALIVA cl14							A	
BAD456 SALIVA cl15					C	C	A	
BAD456 SALIVA cl16							A	
BAD456 SALIVA cl17							A	
BAD456 SALIVA cl18							A	
BAD456 SALIVA cl19							A	
BAD456 SALIVA cl2			C				A	
BAD456 SALIVA cl20							A	
BAD456 SALIVA cl3						G	A	A
BAD456 SALIVA cl4							A	
BAD456 SALIVA cl5							A	
BAD456 SALIVA cl6							A	
BAD456 SALIVA cl7							A	
BAD456 SALIVA cl8							A	
BAD456 SALIVA cl9		C					A	T
SFVggo(BANGA)		C			G		A	G
SFVggo(BINTA)								G
SFVggo(CAM7)								G
SFVggo(GORGABCOL)	C	G	C		A	A	A	TG
SFVggo(GORGABOMO)	C	G	C		A	A	A	TG
SFVggo(KOOB)								G
SFVggo(KUCHI)			C		G		A	G
SFVggo(LP5)	G		TC			A	A	C
								TG
								A

	340	360	380	400	420	
BAD456 PBMC-cons	CCTTTTGATAAATTTTCAT	TGATTATATTGGACCTTTGCCACCCTCTAATGGATATTTGCATGTTCTTGTAATTGTTGATAGTATGACT	GGTTT	CACATGGTTA		425
BAD456 PBMC cl1	.....	.....	.....	.....	.....	425
BAD456 PBMC cl10	.....	.....	.....	.....	.....	425
BAD456 PBMC cl11	.....	.....	.....	.....	.....	425
BAD456 PBMC cl12	.....	.....	.....	.....	.....	425
BAD456 PBMC cl13	.....	.....	.....	.....	.....	425
BAD456 PBMC cl14	.....	.....	.....	.....	.....	425
BAD456 PBMC cl15	.....	.....	.....	.....	.....	425
BAD456 PBMC cl16	.....	.....	.....	.....	.....	425
BAD456 PBMC cl17	.....	.....	.....	.....	.....	425
BAD456 PBMC cl18	.....	.....	.....	.....	.....	425
BAD456 PBMC cl19	.....	.....	.....	.....	.....	425
BAD456 PBMC cl2	.....	.....	.....	.....	.....	425
BAD456 PBMC cl3	.....	.....	.....	.....	.....	425
BAD456 PBMC cl4	.....	.....	.....	.....	.....	425
BAD456 PBMC cl6	.....	.....	.....	.....	.....	425
BAD456 PBMC cl7	.....	.....	.....	.....	.....	425
BAD456 PBMC cl8	.....	.....	.....	.....	.....	425
BAD456 PBMC cl9	.....	.....	.....	.....	.....	425
BAD456 SALIVA-cons	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl1	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl10	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl11	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl12	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl13	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl14	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl15	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl16	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl17	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl18	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl19	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl2	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl20	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl3	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl4	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl5	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl6	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl7	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl8	.....	.....	.....	.....	.....	425
BAD456 SALIVA cl9	.....	.....	.....	.....	.....	425
SFVggo(BANGA)	.....	.....	.....	.....	.....	425
SFVggo(BINTA)	.....	.....	.....	.....	.....	425
SFVggo(CAM7)	.....	.....	.....	.....	.....	425
SFVggo(GORGABCOL)	.....	.....	.....	.....	.....	425
SFVggo(GORGABOMO)	.....	.....	.....	.....	.....	425
SFVggo(KOOB)	.....	.....	.....	.....	.....	425
SFVggo(KUCHI)	.....	.....	.....	.....	.....	425
SFVggo(LP5)	.....	.....	.....	.....	.....	425

SFV clones

BAD456 PBMC

SFV clones

BAD456 SALIVA

SFV gorilla