



**Figure 1S.** Phylogenetic relationship of Taï Forest hepadnavirus to other viruses of the family *Hepadnaviridae*. **A)** Maximum likelihood phylogeny constructed using the amino acid sequence of the polymerase ORF from mammalian orthohepadnaviruses; and **B)** the core and **C)** the surface protein ORFs from mammalian orthohepadnaviruses with bluegill hepatitis B virus as an outgroup. The common name of the host indicated at the branch labels, along with each virus’s accession number. Sequence processing and phylogenetic analyses were performed as outlined in Figure 1 (selected models: polymerase ORF=LG+G+I+F; core ORF: JTT+G; surface ORF: AB+G+I+F). Branch support was assessed using Shimodaira-Hasegawa-like approximate likelihood ratio tests (SH-like aLRT), with branches supported by SH-like aLRT values <0.95 and/or posterior probabilities <0.95 in the Bayesian Markov chain Monte Carlo tree indicated in gray. Branch lengths are representative of substitutions per site.

**Table S1.** Reads mapping to Tai Forest hepadnavirus following enrichment by VirCapSeq-VERT.

Animal ID	Tissue	Batch	Total reads [N]	Reads after quality filtering [N]	De-duplicated reads mapping to Tai Forest hepadnavirus [N]	1× genome coverage [%]	10× genome coverage [%]	100× genome coverage [%]
Control	salmon sperm	1	13,004,643	11,477,668	0	0.0	0.0	0.0
2106	blood	1	9,293,627	7,093,405	0	0.0	0.0	0.0
2106	thymus	1	6,256,447	4,635,529	0	0.0	0.0	0.0
2141	abdominal liquid	1	9,001,096	6,923,635	0	0.0	0.0	0.0
Control	salmon sperm	2	13,283,014	10,496,492	34	13.9	3.5	0.0
516	liver	2	8,431,930	6,913,116	35	21.5	3.3	0.0
522	liver	2	13,440,618	11,018,108	19	13.5	0.8	0.0
533	liver	2	11,470,268	9,348,492	39	19.4	2.1	0.0
2054	liver	2	10,548,728	8,712,701	633,930	100.0	100.0	90.9
2106	liver	2	13,971,570	11,386,699	11	6.1	0.0	0.0
2141	liver	2	16,329,153	13,425,803	72	23.0	4.8	0.0
Control	salmon sperm	3	7,701,849	6,044,670	0	0.0	0.0	0.0
Control	salmon sperm	4	13,083,897	11,579,184	0	0.0	0.0	0.0
516	lung	4	6,874,886	5,840,900	0	0.0	0.0	0.0
522	lung	4	12,628,478	11,532,983	0	0.0	0.0	0.0
533	lung	4	11,759,758	10,686,006	0	0.0	0.0	0.0
2106	lung	4	10,884,163	9,678,536	0	0.0	0.0	0.0
2141	lung	4	8,199,692	7,217,568	0	0.0	0.0	0.0
Control	salmon sperm	6	8,318,734	6,762,513	0	0.0	0.0	0.0
522	mesenteric lymph node	6	9,791,083	8,380,341	0	0.0	0.0	0.0
533	lymph node	6	12,853,198	10,784,007	0	0.0	0.0	0.0
2106	mesenteric lymph node	6	5,500,016	4,507,359	0	0.0	0.0	0.0
Control	salmon sperm	7	17,839,711	13,871,470	0	0.0	0.0	0.0
522	kidney	7	5,252,896	3,931,313	0	0.0	0.0	0.0
2106	kidney	7	7,737,228	5,704,512	0	0.0	0.0	0.0
2141	kidney	7	7,619,632	6,019,141	0	0.0	0.0	0.0
Control	salmon sperm	8	8,915,925	7,902,488	0	0.0	0.0	0.0
2054	duodenum	8	9,776,183	8,738,188	326	38.5	10.2	1.6

**Table S2.** List of duiker tissues collected during necropsies and tested for the Tai Forest hepadnavirus.

Sample ID	Species	Tissues	Country	Cause of death
1753	unknown Cephalophini	Liver	CAR	
1754	unknown Cephalophini	Liver	CAR	BCBVA
2184	<i>Cephalophus monticola</i>	Liver	CI	BCBVA
516	<i>Philantomba maxwellii</i>	Lung, liver	CI	
522	<i>Philantomba maxwellii</i>	Kidney, liver, lung, lymph node	CI	
533	<i>Philantomba maxwellii</i>	Lung, liver, lymph node	CI	
534	<i>Philantomba maxwellii</i>	Liver	CI	
1888	<i>Philantomba maxwellii</i>	Liver	CI	BCBVA
2054	<i>Philantomba maxwellii</i>	Duodenum, heart, heart blood, jejunum, kidney, liver, lung, spleen	CI	
2055	<i>Philantomba maxwellii</i>	Liver	CI	BCBVA
2106	<i>Philantomba maxwellii</i>	Blood, liver, lymph node	CI	
2141	<i>Philantomba maxwellii</i>	Abdominal liquid, kidney, liver, lung	CI	
509	unknown Cephalophini	Liver	CI	BCBVA
842	unknown Cephalophini	Liver	CI	BCBVA
843	unknown Cephalophini	Liver	CI	BCBVA
1860	unknown Cephalophini	Liver	CI	BCBVA
1861	unknown Cephalophini	Liver	CI	BCBVA
1870	unknown Cephalophini	Liver	CI	BCBVA
1872	unknown Cephalophini	Liver	CI	BCBVA
1873	unknown Cephalophini	Liver	CI	BCBVA
1890	unknown Cephalophini	Liver	CI	BCBVA
1901	unknown Cephalophini	Liver	CI	BCBVA
2049	unknown Cephalophini	Liver	CI	BCBVA
2051	unknown Cephalophini	Liver	CI	BCBVA
2052	unknown Cephalophini	Liver	CI	BCBVA
2059	unknown Cephalophini	Liver	CI	BCBVA

2070	unknown Cephalophini	Liver	CI	BCBVA
2185	unknown Cephalophini	Liver	CI	BCBVA
2193	unknown Cephalophini	Liver	CI	BCBVA
65	unknown Cephalophini	Liver	CI	BCBVA

---

CAR = Central African Republic, CI = Côte d'Ivoire, BCBVA = *Bacillus cereus* biovar *anthracis*