

1 **Experimental Infection of Domestic Cats with Feline Herpesvirus-1 Strain CH-B**
2 **isolated from British Shorthair Cat**

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4 Jiangting Niu ^{a, 1}, Han Zhao ^{a, 1}, Shuang Zhang ^a, Yanbing Guo ^{a, b}, Qian Zhang ^a, Di Bao ^a,
5 Hao Dong ^c, Fanxing Meng ^a, Yanli Zhao ^a, Hailong Huang ^a, Junzheng Wang ^a, Kai Wang ^a,
6 Gui-Xue Hu ^{a, *}, Shu-Shuai Yi ^{d, **}

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8 ^a College of Animal Science and Technology, Jilin Agricultural University, Changchun
9 130118, China;

10 ^b Jilin Institute of Animal Husbandry and Veterinary Science, Changchun 130062, China;

11 ^c College of Life Science, Jilin Agricultural University, Changchun 130118, China;

12 ^d Changchun Veterinary Research Institute, Chinese Academy of Agricultural Sciences,
13 Changchun 130000, China

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15 * Corresponding authors at: College of Animal Science and Technology, Jilin Agricultural
16 University, Xincheng street no.2888, Changchun, 130118, China

17 ** Co-corresponding authors at: Changchun Veterinary Research Institute, Chinese Academy
18 of Agricultural Sciences, Changchun, 130000, China

19 E-mail addresses: huguixue901103@126.com (G. Hu) and YSS930117@163.com (S. Yi)

20 ¹ These authors contributed equally to this study.

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26 **Table S1 Oligonucleotide sequences of primers used for the amplification and**
 27 **sequencing of FHV-1 genome**

Primer	Position	Primer sequence (5'-3')	Annealing temperature (°C)	Product size (bp)
FHV-1F	3	CCGAGATCTCCCGCGGCGGC	66	705
FHV-1R	686	ATAGGGGCCATGGGAGAACACC		
FHV-2F	76	ACAGTGTAGGGGGATGGTATTGAC	64	2127
FHV-2R	2202	ACTGGCTATGGCGTATGCTCTGC		
FHV-3F	1796	GTATGGCCTAAGACGATGACGAG	62	2970
FHV-3R	4765	CACCCGGAGGATGAGATGAG		
FHV-4F	4388	CGGGGCTCTCAGTCGGTCAAAC	64	3205
FHV-4R	7590	CCACGTCGCCATCGGAACAACCTC		
FHV-5F	5291	AACCGCGATGAAGATGGCAATG	64	3608
FHV-5R	8877	TAGCCGCCGTCCTTTTAGAGCA		
FHV-6F	6018	CATTTGGTAGCGAAGCATTGTTG	66	2880
FHV-6R	8898	TAGCCGCCGTCCTTTTAGAGCA		
FHV-7F	8892	GCGGCTAGATGGTGGTGTGAA	66	2762
FHV-7R	11654	ACCGGAAGCTGCGTTGGATGT		
FHV-8F	11208	AAAAGACCCGGGATTAGTGGAC	62	2287
FHV-8R	13494	CATCATGGCCTCGGTTGTAGTT		
FHV-9F	13251	CGCTCTGGGATTACCGCTCATA	68	3643
FHV-9R	16843	CACCGCGGACTCTAAAATCTCTGC		
FHV-10F	16502	GACCTGGCGGATACTCTTCAAC	65	3548
FHV-10R	20049	TCTACCGGGATTTACGACACAC		
FHV-11F	18633	CAAGCCCGGGGACCTAAAG	65	2261
FHV-11R	20893	GGAATCATACCCGCACCAGCATA		
FHV-12F	20261	TAGCCCGTGTATCAGCGAAGGT	67	2282
FHV-12R	22519	GATGGGCGTGTGATGATTTGTTAC		
FHV-13F	22421	ATTGGCTGTGCAGATGAAGTAAA	64	3589

FHV-13R	26009	CATTATAGTCGGGCGGGGTTG		
FHV-14F	25766	CTACCCCGCCACAGACAAA		
FHV-14R	28281	TGCGCTCACAACATCAAACCTAT	64	2516
FHV-15F	27164	ATTGGGGGTAGATCCGTTAGCAG		
FHV-15R	30316	TAGATGCCGATTGTGAACTTAGAT	65	3153
FHV-16F	30105	GGCGATGCTTCCCTCAGTC		
FHV-16R	34232	CGTTATCGGCGGTAGAAGTTAC	59	4128
FHV-17F	32358	CACCGGAACTGCTTATGAG		
FHV-17R	35005	GAGGCTATCGGCGGTGAGTGTTG	67	2648
FHV-18F	34856	GGAGCCGAAATAGTAGTGGT		
FHV-18R	35949	TGAGATTGCCCGAGACGACA	66	1094
FHV-19F	35592	GACGCAATCCACCCAGACTCAC		
FHV-19R	40528	AACCTCGCTCATTACACGCATACC	67	4937
FHV-20F	40519	GAGCGAGGTTATTCAGTTACGAC		
FHV-20R	43227	ACATGCGCGGTTTCCTCAG	63	2709
FHV-21F	43018	GACAACCGAAGCCAATCAAAGTG		
FHV-21R	47016	CCTGGGCGTGTTTTAGTGTCGTTA	64	3909
FHV-22F	46516	CACGCGTATCCAAAACACTTCAA		
FHV-22R	50454	CCAGGCAACGGGGGATAATAGG	66	3939
FHV-23F	50084	CGATGTCGCTTGAGATGGGGT AG		
FHV-23R	53966	TTGCCGTAATCGATAGAGGGTAG	64	3883
FHV-24F	53672	CAAGGACGGCCGTGTTTTACCC		
FHV-24R	56569	GTAGCGCCGACCCGAACGA	64	2916
FHV-25F	55009	TCACAACGGTCAAGCGATTCTCAG		
FHV-25R	57305	GGTTGGTCAGTTGGCGGAGTAGTG	68	2320
FHV-26F	57300	AACACCACTACTCCGCCAACTGAC		
FHV-26R	60317	GATAGCGGGACTTTACGGACATAC	68	3041
FHV-27F	59783	GTCGCGGCGCAGCACAATA		
FHV-27R	62288	CCACCTCCCCGTCCCAAGAA	62	2525

FHV-28F	62182	GTGTTTGTGTGGTGGGCTTTCTC		
FHV-28R	64696	AATCATGACGCACCCACCGACTAC	68	2538
FHV-29F	64406	TAACCGGGTCTACGAAAGCAGTC		
FHV-29R	67456	TACAATTATCCCCTGACCTCCAC	62	3076
FHV-30F	67321	CCGCCGCCTTGGGAGCACT		
FHV-30R	70398	GCCCTGGCTGCATGTCGTTCTA	66	3099
FHV-31F	69747	ATAACCCGGAGAACACAGACCAGT		
FHV-31R	73176	CAATACGCGCCCAATAAGACATCA	67	3453
FHV-32F	72848	CCGCGTATGTGGGTCTGTATTCTG		
FHV-32R	75593	TAGAGGGTGGCGGGGGTCATC	66	2765
FHV-33F	75421	CACGGTCCGGAATGGTCAAC		
FHV-33R	78781	GAACAGCAGCCAAGATTCAGC	66	3381
FHV-34F	78350	ATGATCTAGAAAGCGGGGCAAATG		
FHV-34R	82162	AGGGGGATGGCACTAGCGTCGTA	68	3835
FHV-35F	81562	CTACCCGGCGAATGCTATGCTTAC		
FHV-35R	86182	ACGGGCGATCGGGTCAGAATGAC	68	4643
FHV-36F	85768	ACCGCGGCCATTAGACAGTGAC		
FHV-36R	90375	ACGGCGTTGGTAAATTGGTGACAG	68	4631
FHV-37F	90073	TTACGCGGTGGAAGGAATATAC		
FHV-37R	93679	ATAGCGGCCATCTGACAGG	62	3625
FHV-38F	93136	GGCCGGCAATGGGAATGTTAG		
FHV-38R	95394	AAAAGCTGCCGTCACCTACAAAGT	65	2278
FHV-39F	95249	TATACGGCGTCTACGGCTAACTCG		
FHV-39R	98444	AGGCGCATATGGTCTTCCGTGAG	67	3218
FHV-40F	97360	GTAAAGTTCGGGCATAAAGAGAC		
FHV-40R	100353	AGATCCCGCTGAAGTGGTAAG	63	3014
FHV-41F	100338	GCTGTTCGCGCACCACTTACC		
FHV-41R	104243	CTGCGATTTCTCATAACCGTTAC	64	3929
FHV-42F	104204	TCGGCCAGATACCCTCCTACG		
			66	4071

FHV-42R	108274	AACCGCCTCCTCTCCCCGAAAGT		
FHV-43F	107514	AGGGGTGGAGCCTCAGTGTCAG		
FHV-43R	110005	GGCCGGATCAGATATTAGCACAGT	66	2515
FHV-44F	109708	GGGCGTCGGGAATTGCGTCAG		
FHV-44R	111999	CCGGCTATCTATGTGGGTGCTAGC	66	2315
FHV-45F	111685	GCGTGTTGGATGCGGGGATGTTA		
FHV-45R	114417	ACAGCGGCGGGGGTCGTATG	66	2752
FHV-46F	113979	CGTGACGCGGCTGTCATCA		
FHV-46R	116720	ACGAGACGGCGACGCTGTTCAT	66	2763
FHV-47F	116044	ACGCGGCTACATGCACCCACTC		
FHV-47R	119509	TCCCCGCCCTCTACGATGATTC	65	3487
FHV-48F	119092	ACGTTTATTGGACCCGAGAGTTGA		
FHV-48R	122819	ATATAGATCCGCCGCCAGCACA	66	3728
FHV-49F	121973	TCTACGGCCATCTAATCTTTCTCG		
FHV-49R	125513	TCTCGGTTTTGCCTATTCTATTTA	63	3564
FHV-50F	124082	ATCGAACAGCCGGCCAATAACG		
FHV-50R	127813	ACGACCCCCGCCGCTGTAAAAC	66	3732
FHV-51F	127798	CAGCGGCGGGGGTCGTATGTG		
FHV-51R	131181	TCGTCGGGGGTGGTGGTGGTTTAG	66	3383
FHV-52F	131010	TCGCCACCGGGGGATAAAGA		
FHV-52R	132811	TTGGCCACCGAGGGGAAAGAC	66	1802
FHV-53F	132205	GGCCGGATCAGATATTAGCACAG		
FHV-53R	134460	ACACCCGTCTAGGCAGGAAGTAC	66	2279

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31 **Table S2 Viral DNA distribution and viral titres in tissues from FHV-1 cohabitation infected cats detected via real-time PCR.**

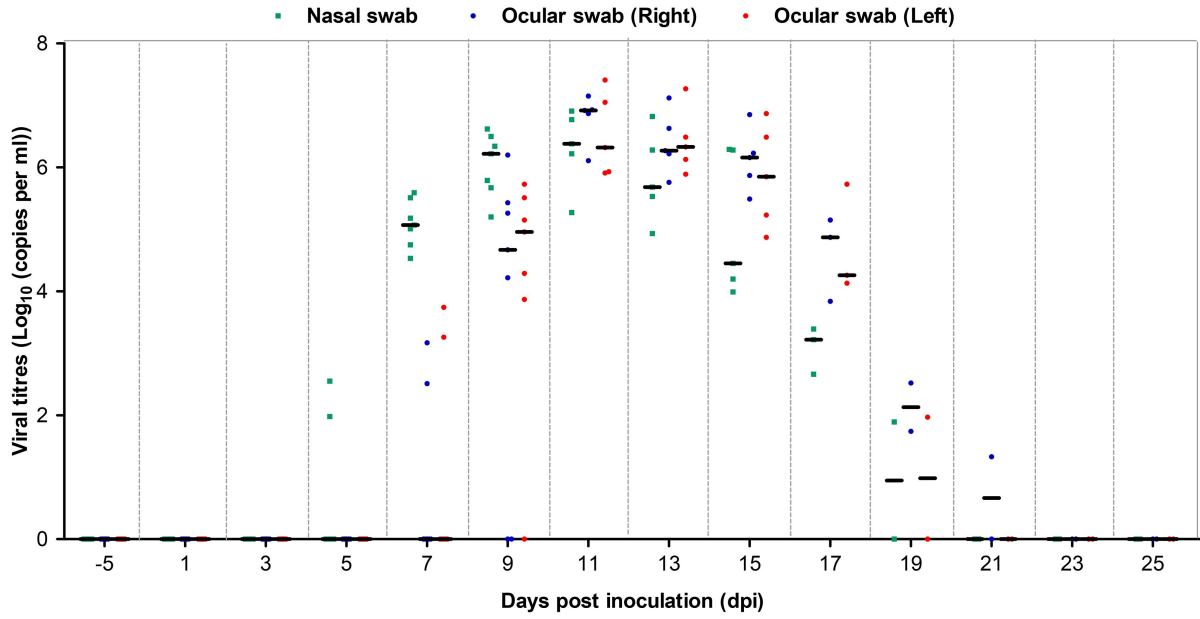
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Tissue	5 dpi		10 dpi		15 dpi		18 dpi		25 dpi	
	RT-PCR (#pos/#tested)	Viral titres	RT-PCR (#pos/#tested)	Viral titres	RT-PCR (#pos/#tested)	Viral titres	RT-PCR (#pos/#tested)	Viral titres	RT-PCR (#pos/#tested)	Viral titres
Tubinate	0/2	0	2/2	537,031	2/2	1,445,439	1/1	5,370,317	0/2	0
Conjunctive	0/2	0	2/2	144,543	2/2	6,760,829	1/1	16,218,100	0/2	0
Cornea	0/2	0	2/2	3,715	2/2	95,499	1/1	70,794	0/2	0
Trigeminal	0/2	0	2/2	141	2/2	3,715	1/1	208,929	2/2	1,723
Ganglia (TG)										
Ciliary	0/2	0	1/2	45	2/2	31	1/1	3,235	0/2	0
ganglia (CG)										
Optic nerve	0/2	0	1/2	13	2/2	141	1/1	54	1/2	217
Olfactory	0/2	0	1/2	33	1/2	15	1/1	134	0/2	0
bulb										
Trachea	0/2	0	0/2	0	0/2	0	1/1	437	0/2	0
Tonsils	0/2	0	0/2	0	0/2	0	1/1	264	0/2	0
Lung	0/2	0	0/2	0	0/2	0	0/1	0	0/2	0
Liver	0/2	0	0/2	0	0/2	0	0/1	0	0/2	0

Kidney	0/2	0	0/2	0	0/2	0	0/1	0	0/2	0
Spleen	0/2	0	0/2	0	0/2	0	0/1	0	0/2	0
Intestine	0/2	0	0/2	0	0/2	0	0/1	0	0/2	0
Blood	0/2	0	0/2	0	0/2	0	0/1	0	0/2	0

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36 Fig. S1 Virus shedding and viral loads in nasal and ocular swabs from FHV-1
37 cohabitation infected cats.



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