

**Table S1.** BuV viral load in diarrheic stools samples (cohort 2).

N.	Sex*	Age	BuV viral load**	BuV viral load*** (Liquid samples)	Sampling month
1	M	44	$4.96 \times 10^3$	–	Nov. 2020
2	M	55	$8.78 \times 10^3$	–	Apr. 2021
3	M	49	$9.61 \times 10^3$	–	Dec. 2020
4	M	74	$9.86 \times 10^3$	–	Mar. 2021
5	F	56	$1.01 \times 10^4$	–	Feb. 2021
6	M	46	$1.06 \times 10^4$	–	Apr. 2021
7	F	70	$1.16 \times 10^4$	–	Nov. 2020
8	M	50	$1.18 \times 10^4$	–	Nov. 2020
9	M	61	$1.27 \times 10^4$	–	Dec. 2020
10	M	69	$1.28 \times 10^4$	–	Nov. 2020
11	M	34	(Day1) $1.92 \times 10^4$ (Day5) $1.39 \times 10^4$	– –	Apr. 2021
12	F	51	$2.34 \times 10^4$	–	Mar. 2021
13	M	33	$2.34 \times 10^4$	–	Apr. 2021
14	M	30	(Day 1) $2.77 \times 10^4$ (Day 5) $4.81 \times 10^4$	– –	Feb. 2021
15	M	74	$3.27 \times 10^4$	–	Feb. 2021
16	F	49	(Day1) $4.87 \times 10^4$ (Day1) $8.24 \times 10^4$	– –	Jan. 2021
17	M	71	$6.63 \times 10^4$	–	Dec. 2020
18	M	66	(Day 1) $8.09 \times 10^4$	(Day 9) $1.35 \times 10^7$	Dec. 2020
19	M	72	$8.30 \times 10^4$	–	Nov. 2020
20	M	60	$1.44 \times 10^5$	–	Apr. 2021
21	M	68	$3.92 \times 10^5$	–	Dec. 2020
22	M	70	(Day 7) $4.57 \times 10^5$	(Day 1) $2.95 \times 10^7$	Jan. 2021
23	M	57	–	$1.41 \times 10^6$	Feb. 2021
24	F	60	–	$1.47 \times 10^6$	Mar. 2021
25	M	67	–	$1.60 \times 10^6$	Jan. 2021
26	M	63	–	$1.67 \times 10^6$	Nov. 2020
27	M	46	–	$2.13 \times 10^6$	Feb. 2021
28	M	75	–	$2.99 \times 10^6$	Dec. 2020

\*M = male; F = female; \*\* = genome copies per gram of stool; \*\*\* = genome copies per mL of stool.

**Table S2.** BuV viral load in non-diarrheic stools samples (cohort 2).

N.	Sex*	Age	BuV Viral Load**	Sampling Month
1	F	53	$8.03 \times 10^3$	Nov. 2020
2	M	71	$8.78 \times 10^3$	Feb. 2021
3	M	62	$9.31 \times 10^3$	Mar. 2021
4	M	55	$9.37 \times 10^3$	Apr. 2021
5	F	68	$1.46 \times 10^4$	Mar. 2021
6	F	74	$1.56 \times 10^4$	Dec. 2020
7	F	48	$1.57 \times 10^4$	Apr. 2021
8	F	41	$1.65 \times 10^4$	Dec. 2020
9	M	61	$1.86 \times 10^4$	Dec. 2020
10	M	66	$2.00 \times 10^4$	Apr. 2021
11	M	43	$2.70 \times 10^4$	Feb. 2021
12	M	68	$2.82 \times 10^4$	Apr. 2021
13	M	33	(Day 1) $5.76 \times 10^4$ (Day 5) $2.86 \times 10^4$	Mar. 2021

14	M	48	$3.53 \times 10^4$	Mar. 2021
15	M	44	$4.78 \times 10^4$	Nov. 2020
16	M	72	$1.99 \times 10^5$	Nov. 2020
17	F	69	$2.41 \times 10^5$	Feb. 2021

\*M = male; F=female; \*\* = genome copies per gram of stool.

**Table S3.** Real-time PCR assay used for genotyping BuV-DNA positive samples.

Primers and Probe	Sequence	Position*	PCR Product Size (bp)
BuV1_Fw	GCAGACTTCCAACAACAACTAACAAC	315 8–3180	102 <sup>a</sup>
BuV1_Rev	GCCTTGTTTGCTTACTGTTTTG	325 9–3280	
BuV1_Probe	GCAGAGAAGTCACACTAGAACACCTCGACC	318 6–3215	
BuV2_Fw	TGAACACATGACAGGAC	398 7–4003	124 <sup>b</sup>
BuV2_Rev	GTATGGTCCAAATGTGTT	411 0–4127	
BuV2_Probe	CAATCAGAACTAAACGACCACATTC	403 3–4057	
BuV3_Fw	GCACAACAAACAGGMCAAACAA	399 4–4015	114 <sup>c</sup>
BuV3_Rev	GAATGTGTTGTGGTAGTCTTGTG	410 7–4129	
BuV3_Probe	TGCACACCAATCAGAACTCAGAAATGCMACA	403 2–4062	

\* = positions by reference to sequences quoted in the next column; a = NC\_038544.1 Bufavirus 1 strain BF.86 NS1; b = JX027297 bufavirus-2 strain BF.39; c = NC\_024888 Bufavirus-3 strain: BTN-63.