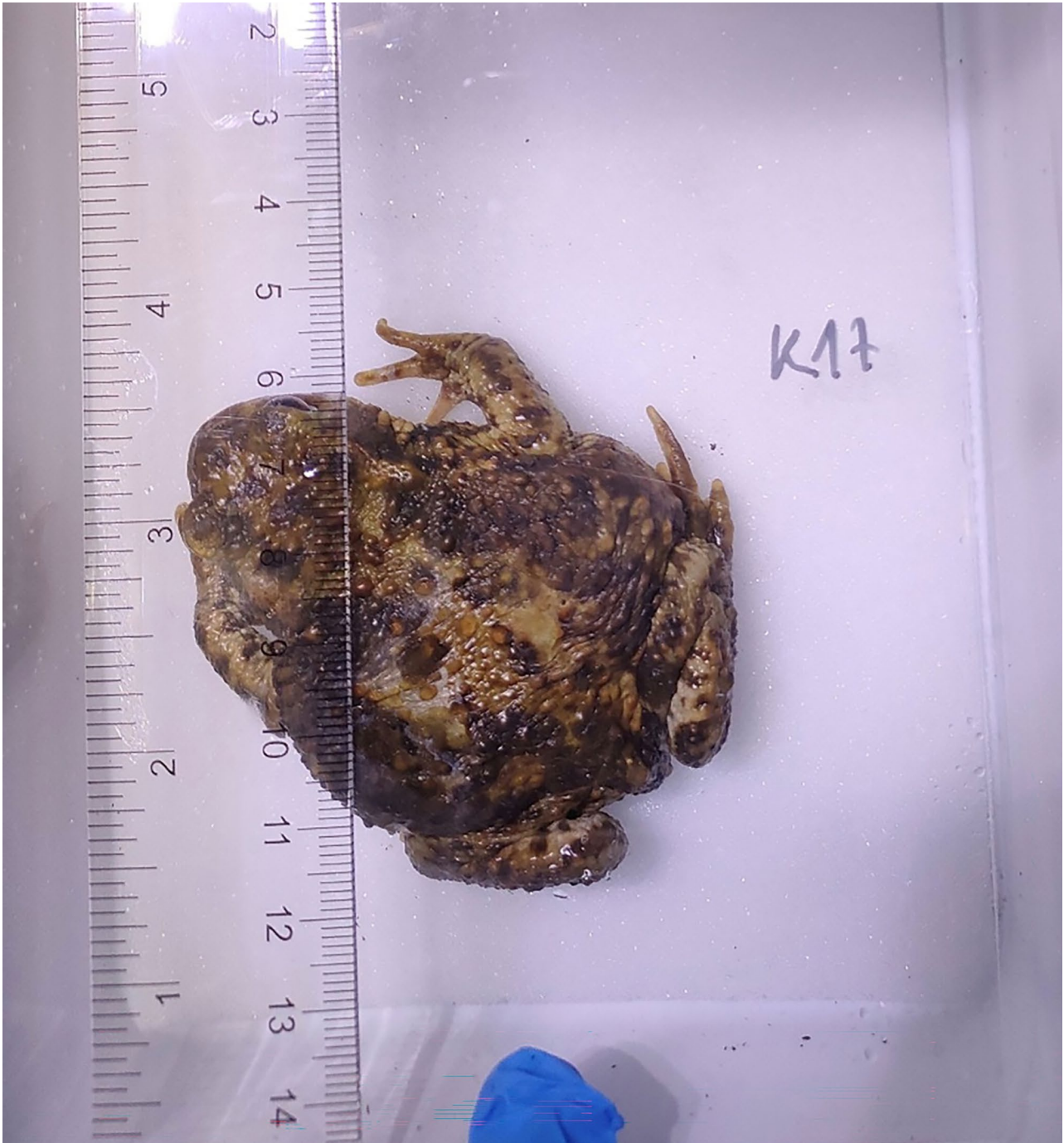




Supplementary Figure 1. Picture collected in Flanders during spring 2024 of the back of a toad heavily infected by bufonid herpesvirus 1 showing gross black-brownish lesions.

Supplementary Table 1. Fieldwork results of living toad sampling during spring 2024. An individual was considered “presumably infected” if one or more pictures showed any gross lesions of herpesvirus infection.

Location ID	Sampled toads	Infected	% pre-valence	CI 95%	Trend
A	32	19	59	42.3–74.5	non-declining
B	30	11	37	21.9–54.5	declining
C	30	18	60	42.3–75.4	non-declining
D	30	13	43	27.4–60.8	non-declining
E	30	7	23	11.8–40.9	declining
G	30	14	47	30.2–63.9	declining
H	30	11	37	21.9–54.5	non-declining
I	12	5	42	19.3–68.0	non-declining
K	30	13	43	27.4–60.8	declining
M	17	8	47	26.2–69.0	declining
N	31	7	23	11.4–39.8	non-declining
O	31	13	43	26.4–59.2	declining
P	30	1	3	6.0–16.7	declining
Q	30	5	17	7.3–33.6	non-declining
R	30	12	40	24.6–57.7	non-declining
S	30	13	43	27.4–60.8	non-declining
T	18	11	65	38.6–79.7	non-declining
U	16	0	0	0.00–19.4	declining
W	30	16	53	36.1–69.8	declining
X	12	12	100	75.7–100	declining
FP	125	11	8.9	5.0–15.1	data deficient

Supplementary Table 2. Labwork results of PCR conducted on liver samples from road-killed toads collected during spring 2024.

Location ID	Sampled toads	Infected	% pre-valence	CI	Trend
B	2	2	100	34.2–100	declining
D	17	4	23.5	9.6–47.3	non-declining
E	20	4	20	8.1– 41.6	declining
G	9	4	44.4	18.9– 73.3	declining
K	4	2	50	15.0– 85.0	declining
M	1	0	0	0.0–79.3	declining
N	40	7	17.5	8.7–32.0	non-declining
O	9	8	88.9	56.5– 9800	declining
P	10	1	10	1.8–40.4	declining
R	11	4	36.4	15.2–64.6	non-declining
S	24	3	12.5	4.3–31.0	non-declining
U	1	0	0	0.0–79.3	declining
W	6	2	33.3	9.7–70.0	declining
Y	2	0	0	0.0–65.8	declining
FP	54	14	25.9	16.1–38.9	data deficient

Supplementary Table 3. Visual detection rate (VDR) of bufonid herpesvirus 1 across locations sampled during spring 2024. The VDR was defined as the proportion of live animals with gross skin lesions consistent with herpesvirosis, relative to the proportion of dead animals from the same location that tested PCR-positive.

Location ID	VDR	Trend
D	0.48	non-declining
E	0.5	declining
G	0.73	declining
N	0.4	non-declining
P	0.33	declining
R	0.92	non-declining
S	2.13	non-declining
W	2.34	declining