

Supplementary material

Table S1. Cross section variability of suspended solids and F-specific RNA bacteriophage (FRNAPH; limit of detection, LOD = 0.05 PFU/L) concentrations during three sampling days (03/03/2015, 11/03/2015 and 30/03/2015) at the Orne at Beth sampling site. Samples 1–2 were collected from the water surface (left and right), Samples 3–4 at 1.5–2 m below the water surface (left and right) and Samples 5–6 at 3–4 m below the water surface (left and right). Samples were collected using a telescopic sampling rod with a container at the lower end. The container was closed and opened at the desired water depth for sampling. CI: confidence interval.

	Suspended solid concentration (mg/L)			FRNAPH concentrations (PFU/mL)								
	03/03/2015	11/03/2015	30/03/2015	03/03/2015			11/03/2015			30/03/2015		
				Mean	CI 5%	CI 95%	Mean	CI 5%	CI 95%	Mean	CI 5%	CI 95%
Sample 1	83	NA	5	0.05	0.00	0.28	0.05	<LOD	<LOD	1.60	1.09	2.26
Sample 2	78	NA	5	0.05	0.00	0.28	0.15	0.03	0.44	0.93	0.51	1.57
Sample 3	69	NA	4	0.05	0.00	0.28	0.05	0.00	0.28	1.45	0.97	2.08
Sample 4	89	NA	5	0.05	0.00	0.28	0.05	<LOD	<LOD	1.65	1.14	2.32
Sample 5	83	NA	5	0.20	0.05	0.51	0.10	0.01	0.36	1.93	1.29	2.78
Sample 6	94	NA	5	0.10	0.01	0.36	0.15	0.03	0.44	1.20	0.71	1.90

Table S2. F-specific RNA bacteriophage (FRNAPH) concentrations (limit of detection, LOD = 4 PFU/mL) and concentration of genome copies of FRNAPH I, II, III and IV (positive but not quantifiable, NQ) measured in the riverbank sediment core (§Section 2.2).

[illegible]