Supplementary Material

Legends to Supplementary Figures

Figure S1. Electron micrographs of phages vB_SenM-1 (A), vB_SenM-2 (B) and vB_SenS-3 (C). Scale bars represent 50 nM.

Figure S2. Changes in PFU/ml values of phages vB_SenM-1 (closed circles), vB_SenM-2 (open squares) and vB_SenS-3 (open triangles) after infection of bacterial cultures of *S.* Typhimurium (A, B) and *S.* Enteritidis (C, D) at m.o.i=1. Mean values from three independent experiments are shown, with error bars representing SD.

Figure S3. Changes in PFU/ml values of phages vB_SenM-1 (closed circles), vB_SenM-2 (open squares) and vB_SenS-3 (open triangles) after infection of bacterial cultures of *S.* Typhimurium (A, B) and *S.* Enteritidis (C, D) at m.o.i=0.5. Mean values from three independent experiments are shown, with error bars representing SD.

Figure S4. Changes in PFU/ml values of phages vB_SenM-1 (closed circles), vB_SenM-2 (open squares) and vB_SenS-3 (open triangles) after infection of bacterial cultures of *S.* Typhimurium (A, B) and *S.* Enteritidis (C, D) at m.o.i=0.1. Mean values from three independent experiments are shown, with error bars representing SD.

Figure S5. Changes in CFU/ml values of cultures of *S.* Typhimurium (A, B) and *S.* Enteritidis (C, D) infected with phages vB_SenM-1 (closed circles), vB_SenM-2 (open squares) and vB_SenS-3 (closed triangles) at m.o.i=0.5, compared with uninfected control (closed squares). Mean values from three independent experiments shown, with error bars representing SD.

Figure S6. Changes in CFU/ml values of bacterial cultures of *S.* Typhimurium (A, B) and *S.* Enteritidis (C, D) infected with phages vB_SenM-1 (closed circles), vB_SenM-2 (open squares) and vB_SenS-3 (closed triangles) at m.o.i=0.1, compared with uninfected control (closed squares). Mean values from three independent experiments are shown, with error bars representing SD.

Figure S7. Lysis profile of *S.* Typhimurium (A, B) and *S.* Enteritidis (C, D) infected with phages vB_SenM-1 (closed circles), vB_SenM-2 (open squares) and vB_SenS-3 (open triangles) at m.o.i=1 compared with uninfected control (closed squares). Mean values from three independent experiments are shown, with error bars representing SD.

Figure S8. Lysis profile of *S.* Typhimurium (A, B) and *S.* Enteritidis (C, D) infected with phages vB_SenM-1 (closed circles), vB_SenM-2 (open squares) and vB_SenS-3 (open triangles) at m.o.i=0.5 compared with uninfected control (closed squares). Mean values from three independent experiments are shown, with error bars representing SD.

Figure S9. Lysis profile of *S.* Typhimurium (A, B) and *S.* Enteritidis (C, D) infected with phages vB_SenM-1 (closed circles), vB_SenM-2 (open squares) and vB_SenS-3 (open triangles) at m.o.i=0.1 compared with uninfected control (closed squares). Mean values from three independent experiments are shown, with error bars representing SD.