

Table S1. Summary of listeriophage isolates in the current study.

No.	Host	Phage	Farm	Plaque Morphology	Genome size ^a (kb) [farm visit #]	100x RTD (PFU/ml)
1	J1-208	LP-009	Farm1	0.5 mm, clear, circular		7.0E+05
2	J1-208	LP-010	Farm1	0.5 mm, clear, circular	62/65 [5]	2.7E+05
3	J1-208	LP-011	Farm1	0.5 mm, clear, circular		1.2E+06
4	J1-208	LP-012	Farm1	1.5 mm, large, hazy, circular		3.2E+06
5	J1-208	LP-013	Farm1	0.5 mm, clear, circular	59/63 [5]	3.0E+06
6	J1-208	LP-014	Farm1	0.5 mm, clear, circular		2.1E+05
7	J1-208	LP-015	Farm1	0.5 mm, clear, circular		4.2E+06
8	J1-208	LP-016	Farm1	0.5 mm, clear/ a bit hazy, quite circular	no band	5.0E+05
9	J1-175	LP-017	Farm1	0.5 mm, clear, circular		4.3E+06
10	MACK	LP-018	Farm1	0.5 mm, clear/ a bit hazy, quite circular		2.7E+06
11	MACK	LP-019	Farm1	0.5 mm, clear/ a bit hazy, quite circular	61/65 [5]	4.2E+06
12	F2365	LP-020	Farm1	1.5 mm, large, hazy, circular		1.5E+05
13	F2365	LP-021	Farm1	0.3-0.5 mm, clear/ a bit hazy, circular	no band	1.5E+05
14	J1-208	LP-022	Farm1	0.5 mm, clear, circular	64/68 [6]	8.0E+05
15	J1-208	LP-023	Farm1	0.3 mm, clear, circular	61/66 [6]	3.3E+06
16	F2365	LP-024	Farm1	1.5 mm, large, hazy, circular		3.8E+05
17	MACK	LP-025	Farm1	0.5 mm, clear/ a bit hazy, quite circular	61/65 [6]	1.9E+05
18	J1-208	LP-026	Farm1	0.3 mm, clear, circular	61/66 [6]	2.6E+05
19	F2365	LP-027	Farm1	1.5 mm, large, hazy, circular		1.1E+06
20	MACK	LP-028	Farm1	0.5 mm, clear/ a bit hazy, quite circular		1.0E+05
21	J1-208	LP-029	Farm1	0.3 mm, clear, circular		4.8E+06
22	F2365	LP-030	Farm1	1.5 mm, large, hazy, circular	33 [6]	1.7E+06
23	MACK	LP-031	Farm1	0.3-0.5 mm, clear/ a bit hazy, circular	60/64 [6]	4.1E+05
24	J1-208	LP-032	Farm1	0.3 mm, clear, circular	62/67 [6]	3.3E+05
25	F2365	LP-033	Farm1	1.5 mm, large, hazy, circular		3.8E+05
26	MACK	LP-034	Farm1	0.3 mm, clear/a bit hazy, circular		1.5E+05
27	J1-208	LP-035	Farm1	0.5 mm, clear, circular	61/65 [6]	5.2E+05
28	J1-208	LP-036	Farm1	0.3 mm, clear/a bit hazy, circular	58/63 [8]	2.4E+06
29	J1-208	LP-037	Farm1	1.5 mm, large, clear/a bit hazy, circular	58/64 [8]	3.1E+06
30	J1-208	LP-041	Farm1	0.3 mm, clear/a bit hazy, circular		2.0E+06
31	J1-208	LP-042	Farm1	0.3 mm, clear/a bit hazy, circular		2.0E+05
32	J1-208	LP-043	Farm1	0.3 mm, clear/a bit hazy, circular		5.3E+06
33	J1-208	LP-044	Farm1	1.5 mm, large, clear/a bit hazy, circular	61/67 [9]	7.0E+05
34	J1-208	LP-045	Farm1	0.3 mm, clear/a bit hazy, circular	59/63 [9]	6.3E+05
35	J1-208	LP-046	Farm1	0.3 mm, clear/a bit hazy, circular	62/66 [9]	3.8E+06
36	MACK	LP-047	Farm1	0.3 mm, clear/a bit hazy, circular		2.2E+06
37	MACK	LP-048	Farm1	0.3 mm, clear/a bit hazy, circular	123 [9]	1.0E+05
38	MACK	LP-049	Farm1	1.5 mm, large, clear/a bit hazy, circular	31 [9]	9.0E+04
39	J1-208	LP-050	Farm1	0.3 mm, clear/a bit hazy, circular	60/66 [10]	2.0E+05
40	J1-208	LP-051	Farm1	0.3 mm, clear/a bit hazy, circular	62/67 [10]	1.9E+06
41	J1-208	LP-052	Farm1	0.3 mm, clear/a bit hazy, circular	61/65 [10]	1.2E+06
42	F2365	LP-053	Farm1	1.5 mm, large, clear/a bit hazy, circular		1.7E+06
43	F2365	LP-054	Farm1	1.5 mm, large, clear/a bit hazy, circular	no band	2.9E+06
44	F2365	LP-057	Farm1	1.5 mm, large, clear/a bit hazy, circular	no band	1.8E+06
45	J1-208	LP-058	Farm1	0.3 mm, clear/a bit hazy, circular	61/66 [11]	3.8E+05
46	J1-208	LP-059	Farm1	0.3 mm, clear/a bit hazy, circular	61/65 [11]	5.1E+05
47	J1-208	LP-060	Farm1	0.3 mm, clear/a bit hazy, circular	63/68 [11]	3.6E+06
48	J1-208	LP-061	Farm1	0.3 mm, clear/a bit hazy, circular	61/65 [11]	4.0E+05
49	J1-208	LP-062	Farm1	0.3 mm, clear/a bit hazy, circular	61/66 [11]	5.8E+06
50	F2365	LP-063	Farm2	0.1 mm, pinprick, clear, circular	no band	2.7E+06

TABLE S1. Continued.

No.	Host	Phage	Farm	Plaque Morphology	Genome size ^a (kb) [farm visit #]	100x RTD (PFU/ml)
51	MACK	LP-064	Farm2	1.5 mm, large, clear, circular	97 [1]	1.6E+06
52	J1-208	LP-065	Farm2	1.5 mm, large, clear, circular	63 [1]	4.4E+05
53	MACK	LP-066	Farm2	1.5 mm, large, clear, circular	no band	2.9E+05
54	J1-208	LP-067	Farm2	1.5 mm, large, clear, circular	62 [1]	3.6E+05
55	F2365	LP-068	Farm2	0.1 mm, pinprick, clear, circular	119 [1]	8.7E+05
56	MACK	LP-069	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular		2.2E+05
57	J1-208	LP-070	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	63 [1]	2.3E+06
58	J1-208	LP-071	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	66 [1]	4.5E+06
59	J1-208	LP-072	Farm2	1.5 mm, large, clear, circular	60/65 [1]	2.6E+06
60	J1-208	LP-073	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	61/66 [1]	3.6E+06
61	F2365	LP-074	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular		4.0E+06
62	MACK	LP-075	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	121 [1]	6.0E+05
63	F2365	LP-076	Farm2	0.5 mm, clear, circular	no band	1.4E+06
64	MACK	LP-077	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	no band	1.9E+06
65	J1-208	LP-078	Farm2	1.5 mm, large, clear, circular		2.0E+06
66	J1-208	LP-079	Farm2	1.5 mm, large, clear, circular		3.5E+06
67	J1-208	LP-080	Farm2	1.5 mm, large, clear, circular	61/65 [2]	1.3E+06
68	J1-208	LP-081	Farm2	1.5 mm, large, clear, circular	61/65 [2]	3.4E+06
69	J1-208	LP-082	Farm2	1.5 mm, large, clear, circular	64 [2]	2.1E+06
70	MACK	LP-083	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	32 [2]	2.0E+05
71	J1-208	LP-084	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular		4.6E+06
72	F2365	LP-085	Farm2	1.5 mm, large, clear/a bit hazy, circular	32 [2]	9.0E+05
73	J1-208	LP-086	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	65 [2]	2.1E+05
74	J1-208	LP-087	Farm2	1.5 mm, large, clear, circular	63/68 [2]	3.5E+05
75	J1-175	LP-088	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	no band	2.0E+05
76	J1-208	LP-089	Farm2	0.5 mm, clear, circular		8.0E+05
77	J1-208	LP-090	Farm2	0.5 mm, clear, circular	58/63 [3]	2.7E+06
78	J1-208	LP-091	Farm2	0.5 mm, clear, circular		3.6E+05
79	J1-208	LP-092	Farm2	0.5 mm, clear, circular		2.2E+06
80	F2365	LP-093	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	no band	1.4E+06
81	F2365	LP-094	Farm2	1.5 mm, large, clear/a bit hazy, circular	26 [4]	1.3E+06
82	F2365	LP-095	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	123 [4]	1.6E+06
83	F2365	LP-096	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular		1.3E+06
84	MACK	LP-097	Farm2	0.5 mm, clear, circular		1.3E+06
85	MACK	LP-098	Farm2	0.5 mm, clear, circular		1.7E+06
86	MACK	LP-099	Farm2	0.5 mm, clear, circular		1.6E+06
87	MACK	LP-100	Farm2	0.5 mm, clear, circular		4.5E+06
88	MACK	LP-101	Farm2	1.5 mm, large, clear, circular	41/83/115 [4]	8.5E+05
89	MACK	LP-102	Farm2	0.5 mm, clear, circular		2.5E+05
90	MACK	LP-103	Farm2	0.5 mm, clear, circular		9.0E+04
91	MACK	LP-104	Farm2	0.5 mm, clear, circular		7.0E+05
92	F2365	LP-105	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular	140 [5]	2.7E+05
93	F2365	LP-106	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular		2.6E+05
94	F2365	LP-107	Farm2	0.3-0.5 mm, clear/ a bit hazy, circular		2.8E+06
95	J1-208	LP-108	Farm2	0.5 mm, clear, circular		1.9E+06
96	J1-208	LP-109	Farm2	0.5 mm, clear, circular		1.8E+06
97	J1-208	LP-110	Farm2	0.5 mm, clear, circular	57/61 [4]	3.2E+05
98	J1-208	LP-111	Farm2	0.5 mm, clear, circular		3.4E+05
99	J1-208	LP-112	Farm2	1.5 mm, large, clear, circular	57/62 [4]	1.1E+06
100	J1-208	LP-113	Farm2	0.5 mm, clear, circular	58/63 [5]	1.7E+06
101	J1-208	LP-114	Farm2	0.5 mm, clear, circular		2.9E+05
102	J1-208	LP-115	Farm2	0.5 mm, clear, circular	60/65 [5]	3.0E+05
103	F2365	LP-116	Farm2	0.3 mm, clear, circular	131 [6]	6.0E+05
104	MACK	LP-117	Farm2	0.5 mm, clear, circular	117 [6]	2.7E+05
105	J1-208	LP-118	Farm2	0.5 mm, clear, circular	68 [6]	2.5E+05
106	F2365	LP-119	Farm2	0.5 mm, clear, circular	136 [6]	3.5E+05
107	MACK	LP-120	Farm2	0.5 mm, clear, circular	134 [6]	7.0E+05
108	J1-208	LP-121	Farm2	0.5 mm, clear, circular	59/63 [6]	1.2E+06
109	J1-208	LP-122	Farm2	0.5 mm, clear, circular	60/63 [6]	3.3E+05
110	MACK	LP-123	Farm2	0.5 mm, clear, circular	132 [6]	3.9E+06
111	F2365	LP-124	Farm2	0.5 mm, clear, circular	127 [6]	9.4E+05
112	MACK	LP-125	Farm2	0.5 mm, clear, circular	135 [6]	2.6E+06
113	J1-208	LP-126	Farm2	0.5 mm, clear, circular	70 [6]	2.9E+05
114	F2365	LP-127	Farm2	0.3 mm, clear, circular		3.3E+06

^a Phage genome size determination was performed on 62 selected phages.