

Supplementary Table 1. The nematicidal activity of lactic acid bacteria isolated from kimchi against *Meloidogyne incognita*

Strain	Nematicidal activity	Strain	Nematicidal activity	Strain	Nematicidal activity
1	***	92	**	210	***
2	-	93	**	211	**
3	***	94	***	212	***
4	*****	95	***	213	***
5	***	96-1	**	214	***
6	*	96-2	***	215	**
7	***	97	*****	216	***
8	***	98	*****	217	**
9	*	99	*****	218	**
10	*	100	***	219	***
11	***	101	***	220	***
12	*	102	***	221	**
13	**	103	***	222	***
14	****	104	**	223	-
15	****	105	***	224	***
16	****	106	***	225	***
17	***	107	***	226	***
18	*****	108	*****	227	**
19	***	109	***	228	***
20	***	110	***	229	***
21	***	111	***	230	***
22	**	112	***	231	***
23	*	113	***	232	*****
24	***	115	*****	233	*
25	*	117	***	234	***
26	*	118	***	235	*****
27	***	120	**	236	***
28	*	122	**	237	**
29	****	123	***	239	***
30	*	124	***	240	**
31	**	125	***	241	**
32	***	126	***	242	***
33	***	127	-	243	***
34	*	129	-	244	***
35	***	131	*	245	*****
36	*	132	*	246	*****
37	****	133	-	247	**
38	-	134	-	248	***
39	***	135	**	249	*****
42	**	136	**	250	***
43	*	137	**	251	**
44	*	138	**	252	***

45	-	139-1	**	253	***
46	-	139-2	*	254	***
47	***	140-1	***	255	**
48	***	140-2	***	256	***
49	**	141	**	257	***
50	-	142	**	258	**
51	-	143	*	259	**
52	*	144	*	260	****
54	****	145	***	263	**
55	***	146	***	264	***
56	*	147	**	265	***
57	*	148	*	266	***
58	-	150	**	269	**
59	-	151	*	270	***
61	*	153	**	271	***
62	*	155	*	272	***
64	*	156	***	273-1	***
66	-	157	*	273-2	***
67	**	158	-	274	***
68	**	159	**	275	-
69	*	161	***	276	**
71	**	163	***	277	**
72	****	165	***	278	***
73	*	166	***	280	***
78	-	167	***	281	***
79	**	168	**	282	*****
81	***	169	***	283	***
82	***	170	**	284	***
83	**	171	***	285	***
84	***	172	***	286	***
85	***	173	***	287	***
86	*	174	*	288	**
87	***	175-1	**	289	***
88	***	175-2	***	290	***
89	***	176	***	291	*****
90	**	177	***	292	****
91	****	178	***	293	*****

-, No nematode mortality; *, 20-40% nematode mortality; **, 40-60% nematode mortality; ***, 60-80% nematode mortality; ****, 80-90% nematode mortality; *****, 90-100% nematode mortality.

Supplementary Table 2. Nematicidal activity of the initially selected LAB

Strain	pH	Filtrate (%)		
		0.63	1.25	2.50
4	3.8	1.85	51.67	82.20
18	3.6	2.60	68.56	82.30
91	3.9	1.49	44.35	83.77
97	4.0	1.06	12.05	79.45
98	3.9	11.25	26.42	79.33
99	3.9	5.18	63.72	98.44
108	4.0	8.67	39.85	99.40
115	4.0	21.98	53.22	63.09
232	4.4	47.90	39.73	80.02
235	4.3	13.32	23.24	77.35
245	4.3	0.60	28.66	88.70
246	4.4	0.17	20.44	95.98
260	4.4	12.97	41.74	91.02
282	4.0	0.00	52.59	93.67
291 (WiKim0069)	4.2	18.68	98.03	100.00
293	4.3	0.00	9.76	100.00

LAB, lactic acid bacteria.