

Table S1. Symbiotic bacteria used in the present study

S. No.	Isolate/ Strain	Bacterial identity*
1.	EPB1	<i>Photorhabdus luminescence</i> subsp. <i>thracensis</i>
2.	EPB3	<i>Xenorhabdus nematophilus</i>
3.	EPB4	<i>Photorhabdus luminescence</i> subsp. <i>Kayaii</i>
4.	EPB8	<i>Photorhabdus luminescence</i> subsp. <i>caribbeanensis</i>
5.	EPB9	<i>Photorhabdus luminescence</i> subsp. <i>Laumondi</i>
6.	Bt	<i>Bacillus thuringiensis</i>

* On the basis of 16s rRNA gene sequence

Table S2. Percent mortality of intact cells suspension of symbiotic bacteria of EPN against *Spodoptera litura*

S. No	Symbiotic Bacterial isolate	Percent Mortality					
		12h	24h	36h	48h	72hr	96h
1	EPB1	16.67 (24.09 ± 0.70)a	53.33 (46.91 ± 1.35)b	70.00 (56.79 ± 1.64)bc	83.33 (65.91 ± 1.90b)	85.00 (67.21 ± 1.94)bc	90.00 (71.57 ± 2.07)bc
2	EPB3	20.00 (26.57 ± 0.77)a	50.00 (45.00 ± 1.30)bc	66.67 (54.74 ± 1.58)bc	80.00 (63.43 ± 1.83)bc	88.00 (69.73 ± 2.01)b	93.33 (75.04 ± 2.17)ab
3	EPB4	13.33 (21.42 ± 0.62)ab	43.33 (41.17 ± 1.19)cd	63.33 (52.73 ± 1.52)c	73.33 (58.91 ± 1.70)c	75.00 (60.00 ± 1.73)d	80.00 (63.43 ± 1.83)d
4	EPB8	10.00 (18.43 ± 0.53)b	46.67 (43.09 ± 1.24) ^{bcd}	73.33 (58.91 ± 1.70)ab	83.33 (65.91 ± 1.90)b	86.00 (68.03 ± 1.96)bc	90.00 (71.57 ± 1.58)bc
5	EPB9	16.67 (24.09 ± 0.70)a	40.00 (39.23 ± 1.13)d	66.67 (54.74 ± 1.58)bc	76.67 (61.12 ± 1.76)bc	80.00 (63.43 ± 1.83)cd	86.67 (68.58 ± 1.98)c
6	BT	20.00 (26.67 ± 0.77)a	66.67 (54.74 ± 1.58)a	80.00 (63.43 ± 1.83)a	90.00 (71.57 ± 1.98)a	93.33 (75.04 ± 2.17)a	96.67 (79.48 ± 1.29)a
7	Control	0.00 (0 ± 0.00)c	0.00 (0 ± 0.00)e	0.00 (0 ± 0.00)d	0.00 (0 ± 0.00)d	0.00 (0 ± 0.00)e	10.00 (18.43 ± 0.53)e

Note: Experiment was done in triplicates and the values are mentioned as means of triplicate studies. Values in the brackets are Arc-sine transformed \pm SeM. Superscripted alphabet letters show statistical groups for that column

Table S3. Percent mortality of cell-free extract of symbiotic bacteria of EPN against *Spodoptera litura*

S. No	Symbiotic Bacterial isolate	Percent Mortality					
		12h	24h	36h	48h	72hr	96h
1	EPB1	20.00 (26.57 ± 0.77)ab	53.33 (46.91 ± 1.35)ab	66.67 (54.74 ± 1.58)a	76.67 (61.12 ± 1.76)a	75.00 (60.00 ± 1.73)a	75.00 (60.00 ± 1.73)a
2	EPB3	23.33 (28.88 ± 0.83)ab	56.67 (48.83 ± 1.41)ab	63.33 (52.73 ± 1.52)a	70.00 (56.79 ± 1.64)a	70.00 (56.79 ± 1.64)a	70.00 (56.79 ± 1.64)a
3	EPB4	16.67 (24.09 ± 0.70)b	60.00 (50.07 ± 1.47)a	70.00 (56.79 ± 1.64)a	73.33 (58.91 ± 1.77)a	72.00 (58.05 ± 1.68)a	72.00 (58.05 ± 1.68)a
4	EPB8	20.00 (26.57 ± 0.77)ab	50.00 (45.00 ± 1.30)b	66.67 (54.74 ± 1.70)a	73.33 (58.91 ± 1.70)a	72.00 (58.05 ± 1.73)a	72.00 (58.05 ± 1.73)a
5	EPB9	16.67 (24.09 ± 0.83)b	50.00 (45.00 ± 1.30)b	63.33 (52.73 ± 1.53)a	70.00 (56.79 ± 1.64)a	70.00 (56.79 ± 1.84)a	70.00 (56.79 ± 1.84)a
6	BT	26.67 (31.09 ± 0.90)a	60.00 (50.07 ± 1.58)a	70.00 (56.79 ± 1.64)a	76.67 (61.12 ± 1.76)a	76.67 (61.12 ± 1.76)a	76.67 (61.12 ± 1.76)a
7	Control	0.00 (0 ± 0.00)c	0.00 (0 ± 0.00)c	0.00 (0 ± 0.00)b	0.00 (0 ± 0.00)b	0.00 (0 ± 0.00)b	10.00 (18.43 ± 0.63)b

Note: Experiment was done in triplicates and the values are mentioned as means of triplicate studies. Values in the brackets are Arc-sine transformed \pm SeM. Superscripted alphabet letters show statistical groups for that column