

**Table S1.** Shapiro Wilk test showed normal distribution for all the studied parameters.

Parameters	Treatments	Shapiro-Wilk Test		
		Statistic	df	Sig.
<b>Root length</b>	un-inoculated	0.963	3	0.63
	Inoculated	0.966	3	0.645
Shoot length	un-inoculated	0.993	3	0.843
	Inoculated	0.978	3	0.714
Fresh weight	un-inoculated	0.752	3	0.003
	Inoculated	0.99	3	0.809
Dry weight	un-inoculated	0.938	3	0.521
	Inoculated	0.937	3	0.516
Chl a	un-inoculated	0.859	3	0.266
	Inoculated	0.993	3	0.843
Chl b	un-inoculated	0.999	3	0.935
	Inoculated	0.952	3	0.579
Total Chl	un-inoculated	0.991	3	0.82
	Inoculated	0.876	3	0.314
ELL	un-inoculated	0.983	3	0.753
	Inoculated	0.984	3	0.759
RWC	un-inoculated	0.893	3	0.363
	Inoculated	0.942	3	0.537
Proline	un-inoculated	0.971	3	0.674
	Inoculated	0.944	3	0.545
MDA	un-inoculated	0.834	3	0.199
	Inoculated	0.839	3	0.213
SOD	un-inoculated	0.953	3	0.584
	Inoculated	0.928	3	0.48
POD	un-inoculated	0.925	3	0.469
	Inoculated	0.851	3	0.243
CAT	un-inoculated	0.999	3	0.948
	Inoculated	0.987	3	0.78
Soil	un-inoculated	0.948	3	0.562
	Inoculated	0.9	3	0.386
Root	un-inoculated	0.939	3	0.522
	Inoculated	0.958	3	0.605
Shoot	un-inoculated	0.949	3	0.567
	Inoculated	0.864	3	0.28
TF	un-inoculated	0.94	3	0.527
	Inoculated	0.871	3	0.298
BCF	un-inoculated	0.855	3	0.253
	Inoculated	0.75	3	0.263

**Table S2.** Analysis of variance revealed highly significant difference for the studied parameters.

Source	Treatments	Error	Total	MS
DF	5	12	17	-
Root length	5	12	17	0.0217**
Shoot length	5	12	17	0.015**
Fresh weight	5	12	17	47.0738**
Dry weight	5	12	17	3.16257**
Chl a	5	12	17	0.00004**
Chl b	5	12	17	0.00037**
Total Chl	5	12	17	0.009**
RWC	5	12	17	305.721**
ELL	5	12	17	57.8499**
MDA	5	12	17	1.56509**
Proline	5	12	17	0.00497**
SOD	5	12	17	6287.92**
POD	5	12	17	0.54009**
Catalase	5	12	17	0.20885**
Soil	5	12	17	18.9819**
Root	5	12	17	12.4277**
Shoot	5	12	17	19.2463**
TF	5	12	17	0.05604**
BCF	5	12	17	0.00988**

\*= significant and \*\*= highly significant.

**Table S3.** Antibiotic resistance of *Bacillus anthracis* PM21.

Antibiotic	Concentration	Inhibition zone (mm)	Zone diameter		
			Susceptible	Intermediate	Resistant
Erythromycin	15 µg	13	-	+	-
Tobramycin	10 µg	5	-	-	+
Tetracycline	30 µg	12	-	+	-
Ceftazidime	30 µg	3	-	-	+
Lincomycin	15 µg	3	-	-	+
Spectinomycin	25 µg	25	-	-	-
Kanamycin	30 µg	6	-	-	+
Streptomycin	10 µg	25	-	-	+
Cloxacillin	5 µg	5	-	-	+
Penicillin	1 µg	6	-	-	+
Nitrofurantoin	300 µg	6	-	-	+
Fosfomycin	50 µg	5	-	-	+
Gentamycin	10 µg	4	-	-	+
Neomycin	10 µg	8	-	-	+
Ciprofloxacin	30 µg	5	-	-	+
Chloramphenicol	30 µg	12	-	+	-
Colistin	10 µg	3	-	-	+
Rifampicin	5 µg	4	-	-	+
Clindamycin	2 µg	25	+	-	-
Piperacillin	100 µg	6	-	-	+

(+): positive; (-): negative.