

Supplementary Table S1. Characteristics based on plant-growth promoting properties, hydrolytic enzyme production and tannin tolerances of endophytic bacteria isolated from tea leaves.

Isolate	Indoles ($\mu\text{g/mL}$)	Phosphate solubili- zation	Sidero- phore	Protease	Cellulase	Pectinase	Tannin (g/L)
<i>Bacillus altitudinis</i> P-1.10	6.25 \pm 0.09	+	+	+	+	+	30
<i>Bacillus altitudinis</i> P-1.16	6.91 \pm 0.02	+	+	+	+	+	0
<i>Bacillus altitudinis</i> P-1.17	7.25 \pm 0.11	++	+	+++	+	+	10
<i>Bacillus altitudinis</i> P-1.6	5.71 \pm 0.04	+	+	+	+	+	0
<i>Bacillus altitudinis</i> P-1.7	6.48 \pm 0.07	++	++	++	+	-	30
<i>Bacillus altitudinis</i> P-1.9	6.98 \pm 0.02	+	+	++	+	-	10
<i>Bacillus altitudinis</i> P-2.1	6.11 \pm 0.16	+	+	++	+	+	10
<i>Bacillus altitudinis</i> P-2.10	7.09 \pm 0.13	++	+	++	+	+	30
<i>Bacillus altitudinis</i> P-2.12	5.68 \pm 0.09	+	++	++	+	-	30
<i>Bacillus altitudinis</i> P-2.14	6.89 \pm 0.07	+	++	+	+	+	10
<i>Bacillus altitudinis</i> P-2.17	7.27 \pm 0.07	+	+	++	+	-	30
<i>Bacillus altitudinis</i> P-2.18	5.71 \pm 0.09	+	+	+	+	-	30
<i>Bacillus altitudinis</i> P-2.19	6.98 \pm 0.07	+	++	++	+	+	30
<i>Bacillus altitudinis</i> P-2.20	7.33 \pm 0.11	+	+	+	+	+	0
<i>Bacillus altitudinis</i> P-2.21	7.38 \pm 0.22	+	++	+	+	+	30
<i>Bacillus altitudinis</i> P-2.4	5.56 \pm 0.04	+	+	+	+	+	30
<i>Bacillus altitudinis</i> P-2.5	6.47 \pm 0.0	++	++	++	+	-	0
<i>Bacillus altitudinis</i> P-2.6	5.82 \pm 0.02	+	+	+	+	+	10
<i>Bacillus altitudinis</i> P-2.7	6.25 \pm 0.09	++	+	++	+	-	10
<i>Bacillus altitudinis</i> P-2.9	6.78 \pm 0.04	+	+	+	+	+	10
<i>Bacillus altitudinis</i> P-3.16	7.94 \pm 0.13	+	+	+	+	-	0
<i>Bacillus altitudinis</i> P-3.17	7.24 \pm 0.11	+	+	++	+	-	30
<i>Bacillus altitudinis</i> P-3.20	7.47 \pm 0.04	+	+	+	+	+	10
<i>Bacillus altitudinis</i> P-3.3	6.76 \pm 0.16	+	+	+	+	-	10
<i>Bacillus altitudinis</i> P-3.8	8.25 \pm 0.22	+	+	++	+	-	0
<i>Bacillus altitudinis</i> P-4.2	6.38 \pm 0.09	+	+	+	+	-	30
<i>Bacillus altitudinis</i> P-4.4	6.55 \pm 0.07	+	+	+	+	-	30
<i>Bacillus altitudinis</i> P-4.6	4.65 \pm 0.04	+	+	++	+	+	30
<i>Bacillus altitudinis</i> P-4.7	5.64 \pm 0.11	++	++	++	+	+	10
<i>Bacillus altitudinis</i> P-5.15	5.61 \pm 0.07	++	+	+	+	-	30
<i>Bacillus altitudinis</i> P-5.5	6.78 \pm 0.04	++	+	+	+	-	0
<i>Bacillus mediterraneensis</i> P-2.22	23.91 \pm 0.33	+	-	+	-	+	50
<i>Bacillus safensis</i> P-5.4	7.33 \pm 0.02	++	+	+	-	-	30
<i>Bacillus thuringiensis</i> P-3.10	17.08 \pm 0.11	-	-	+	-	+	50

<i>Bacillus thuringiensis</i> P-3.5	14.35±0.07	-	-	+	-	+	50
<i>Curtobacterium citreum</i> P-4.10	133±3.1	+	+	+++	+	-	0
<i>Curtobacterium citreum</i> P-5.19	71.12±0.27	++	+	++	+	-	0
<i>Enterobacter wuhouensis</i> P-4.18	124.55±2.67	+++	-	-	-	-	50
<i>Microbacterium arborescens</i> P-5.23	24.92±0.13	+	+	-	-	+	10
<i>Microbacterium testaceum</i> P-1.13	91.94±1.32	+	++	+++	-	-	30
<i>Microbacterium testaceum</i> P-1.14	71.88±3.1	+	+	++	-	-	10
<i>Microbacterium testaceum</i> P-1.5	61.07±1.56	+	+	++	-	-	10
<i>Microbacterium testaceum</i> P-3.9	72.64±0.29	+	++	++	-	-	30
<i>Microbacterium testaceum</i> P-4.3	62.78±0	+	++	+++	-	-	30
<i>Microbacterium testaceum</i> P-5.10	88.3±0.13	+	+	++	-	-	10
<i>Microbacterium testaceum</i> P-5.12	106.2±4.21	+	+	+	-	-	30
<i>Microbacterium testaceum</i> P-5.17	119.53±6.2	+	++	++	-	+	50
<i>Microbacterium testaceum</i> P-5.18	64.02±0.09	+	+	++	-	+	30
<i>Microbacterium testaceum</i> P-5.20	72.35±0.49	+	++	++	-	-	50
<i>Microbacterium testaceum</i> P-5.21	83.21±2.21	+	++	++	-	-	50
<i>Moraxella osloensis</i> P-1.18	7.69±0	+	+	-	-	-	30
<i>Moraxella osloensis</i> P-2.16	4.68±0.09	-	+	-	-	-	50
<i>Neobacillus niacini</i> P-5.11	17.99±0.02	+	+	-	-	+	30
<i>Priestia aryabhatai</i> P-5.13	59.5±2.44	-	-	+++	+	+	30
<i>Priestia megaterium</i> P-3.1	29.23±0.35	-	+	+++	+	+	30
<i>Priestia megaterium</i> P-3.14	31.98±0.44	-	+	+++	+	+	30
<i>Priestia megaterium</i> P-3.18	45.55±2.21	-	+	+++	+	+	30
<i>Priestia megaterium</i> P-3.23	42.26±0.22	-	+	+++	+	+	30
<i>Pseudarthrobacter enclensis</i> P-3.11	141.16±2.21	-	+	-	+	+	50
<i>Pseudarthrobacter enclensis</i> P-3.12	141.47±0.44	-	++	-	+	+	50
<i>Pseudarthrobacter enclensis</i> P-3.13	135.05±4.21	-	+	-	+	+	50
<i>Pseudarthrobacter enclensis</i> P-3.7	133.64±6.21	-	+	-	+	+	50
<i>Pseudarthrobacter enclensis</i> P-4.20	133±2.66	-	+	-	+	+	30
<i>Pseudomonas stutzeri</i> P-1.2	19.32±0.04	-	+	-	-	-	0
<i>Sporosarcina luteola</i> P-2.8	11.34±0.29	-	-	-	-	-	0
<i>Staphylococcus argenteus</i> P-1.11	8.22±0.04	++	++	-	-	+	50
<i>Staphylococcus argenteus</i> P-2.3	9.24±0.07	++	++	-	-	+	50
<i>Staphylococcus argenteus</i> P-5.6	8.49±0.02	+	+	-	-	+	0
<i>Staphylococcus argenteus</i> P-5.9	7.15±0	+	+	-	-	+	0
<i>Staphylococcus haemolyticus</i> P-5.2	7.56±0.04	+++	++	-	+	+	0

Note: The symbol, - represents negative, + represents positive/weak, (++) intermediate, (+++) very strong.