

Supplementary Information

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Study of growth-improving and sporophore-inducing endobacteria isolated from *Pleurotus pulmonarius*

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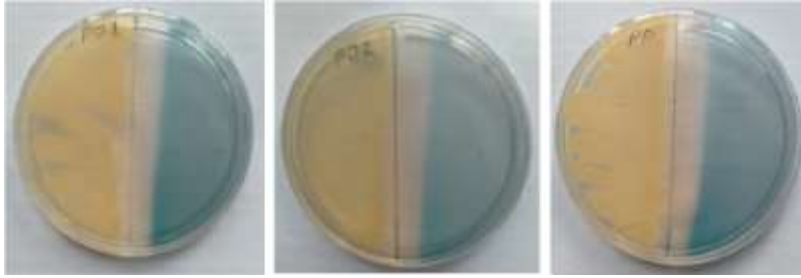
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Online Resource 1 Co-culture of bacterial isolates with their host mycelium



Online Resource 2 Qualitative detection of Siderophore production

Online Resource 3 Biochemical characterization of PP, PJ1, and PJ2

SL.	Biochemical test			Endophyte			
No				PP	PJ1	PJ2	
1.	Nitrate reduction test			-	-	-	
2.	Indole test			+	+	+	
3.	MRVP test			-	-	-	
4.	Citrate test			-	-	-	
5.	Starch hydrolysis			++	+	-	
6.	Gelatin hydrolysis			-	-	-	
7.	Urea hydrolysis			+	-	-	
8.	Catalase test			+	+	+	
9.	Oxidase test			++	+	-	
10.	Oxidation	-	Glucose	Acid production	+	+	+
	fermentation	and		Gas production	-	-	-
	acid	production	Lactose	Acid production	-	-	-
	from	different		Gas production	-	-	-
	carbohydrates		Sucrose	Acid production	+	+	+
				Gas production	-	-	-
11.	Sugar mannitol fermentation			+	-	-	
12.	IAA			+	+	+	
13.	Siderophore			+	+	+	
14.	Ammonia production			+	+	+	
“+” Positive, “-” Negative							