



**Supplementary Figure. 1 Phylogenetic tree of *Pantoea agglomerans* strain KL and other closely related species on the basis of 16S rDNA sequences.**

**Supplementary Table 1. Biochemical properties of AB-7**

Sr No.	Characteristics	AB-7
A	Morphology	
1.	Gram nature	-
2.	Shape	Rod
B	Biochemical reactions	
1.	Lactose	-
2.	Xylose	+
3.	Maltose	+
4.	Fructose	+
5.	Dextrose	+
6.	Galactose	+
7.	Raffinose	+
8.	Trehalose	+
9.	Melibiose	+
10.	Sucrose	+
11.	L – Arabinose	+
12.	Mannose	+
13.	Insulin	+
14.	Sodium gluconate	-
15.	Glycerol	+
16.	Salicin	+
17.	Dulcitol	+
18.	Inositol	-
19.	Sorbitol	-
20.	Mannitol	+
21.	Adonitol	-
22.	Arabitol	-
23.	Erythritol	-
24.	$\alpha$ - methyl – D glucoside	-
25.	Rhamnose	+
26.	Cellobiose	-
27.	Melezitose	-
28.	$\alpha$ - methyl –D manoside	-
29.	Xylitol	-
30.	ONPG	+
31.	Esculin hydrolysis	+
32.	D- arabinose	-
33.	Citrate utilization	+
34.	Malonate utilization	+
35.	Sorbose	-
36.	Indole test	-
37.	Methyl red test	-
38.	Voges–Proskauer	+
39.	Citrate utilization test	+

Where,+, Positive; –, Negative