

**Table S1.** Media used in this study.

Media Name	Composition	Quantity
Nutrient Agar	Peptone	5 g
	Beef extract	3 g
	Sodium chloride	5 g
	Agar	18 g
	Ultrapure water	1000 mL
Potato Dextrose Agar	Potato	200 g
	Dextrose	20 g
	Agar	18 g
	Ultrapure water	1000 mL
Luria Bertani Agar	Yeast extract	5 g
	Peptone	10 g
	NaCl	10 g
	Agar	18 g
	Ultrapure water	1000 mL
Dworkin and Foster Salts Minimal Medium	Glucose	2 g
	Gluconic acid	2 g
	Citric acid	2 g
	KH <sub>2</sub> PO <sub>4</sub>	4 g
	Na <sub>2</sub> HPO <sub>4</sub>	6 g
	MgSO <sub>4</sub> .7H <sub>2</sub> O	0.2 g
	CaCl <sub>2</sub>	0.2 g

	FeSO <sub>4</sub> .7H <sub>2</sub> O	0.2 g
	H <sub>3</sub> BO <sub>3</sub>	0.015 g
	ZnSO <sub>4</sub> .7H <sub>2</sub> O	0.02 g
	Na <sub>2</sub> MoO <sub>4</sub>	0.01 g
	KI	0.01 g
	NaBr	0.01 g
	MnCl <sub>2</sub>	0.01 g
	COCl <sub>2</sub>	0.005 g
	CuCl <sub>2</sub>	0.005 g
	AlCl <sub>3</sub>	0.002 g
	NiSO <sub>4</sub>	0.002 g
	Ultrapure water	1000 mL
<b>Yeast Mannitol Agar</b>	Mannitol	15 g
	K <sub>2</sub> HPO <sub>4</sub>	0.5 g
	Yeast extract	0.4 g
	MgSO <sub>4</sub> .7H <sub>2</sub> O	0.2 g
	NaCl	0.1 g
	Agar	15 g
	Ultrapure water	1000 mL
<b>Pikovskaya's Agar</b>	Yeast extract	0.5 g
	Dextrose	10 g
	Calcium phosphate	5 g
	Ammonium sulphate	0.5 g
	Potassium chloride	0.2 g

	Magnesium sulphate	0.1 g
	Manganese sulphate	0.0001 g
	Ferrous sulphate	0.0001 g
	Agar	15 g
	Ultrapure water	1000 mL
<b>Yeast Extract Medium</b>	Yeast extract	5 g
	Dextrose	20 g
	Agar	18 g
	1000×trace element	1 mL
<b>1000×Trace Element</b>	ZnSO <sub>4</sub> ·7H <sub>2</sub> O	2.2 g
	H <sub>3</sub> BO <sub>3</sub>	1.1 g
	MnCl <sub>2</sub> ·4H <sub>2</sub> O	0.5 g
	FeSO <sub>4</sub> ·7H <sub>2</sub> O	0.5 g
	CoCl <sub>2</sub> ·5H <sub>2</sub> O	0.16 g
	CuSO <sub>4</sub>	0.16 g
	(NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub> ·4H <sub>2</sub> O	0.11 g
	EDTA	5.0 g
	Ultrapure water	100 mL

**Table S2.** List of carbon sources utilized by *Pseudomonas aeruginosa* 91 in GENIII BIOLOG<sup>R</sup> plate.

S. No.	Carbon Source
1	Dextrin
2	D-Turanose
3	D-Raffinose
4	D-Salicin
5	N-Acetyl-D-Glucosamine
6	N-Acetyl-D-Galactosamine
7	N-AcetylNeuraminic Acid
8	D-Fructose
9	D-Galactose
10	3-Methyl Glucose
11	D-Fucose
12	L-Fucose
13	Inosine
14	D-Sorbitol
15	D-Mannitol
16	D-Arabitol
17	myo-Inositol
18	Glycerol
19	D-Glucose-6-PO <sub>4</sub>
20	D-Fructose-6-PO <sub>4</sub>
21	D-Aspartic Acid

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22	D-Serine
23	Glycyl-L-Proline
24	L-Alanine
25	L-Arginine
26	L-Aspartic Acid
27	L-Glutamic Acid
28	L-Histidine
29	L-Serine
30	Lincomycin
31	Niaproof 4
32	Pectin
33	D-Gluconic Acid
34	D-Glucuronic Acid
35	Glucuronamide
36	Mucic Acid
37	Quinic Acid
38	Tetrazolium Violet
39	Tetrazolium Blue
40	L-Lactic Acid

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**Figure S1.** Carbon substrate utilization pattern of isolate 91 on GNIII Biolog<sup>R</sup> plate.