



Supplementary Material

Antibacterial and Larvicidal Activity of Ethyl Acetate Extract of Actinomycetes from Soil Samples

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Supplementary Table I. Morphological characterization of actinobacterial strains.

S.	Strains	Form	Size	Elevation	Margin	Surface	Opacity	Color	Gram staining	Shape	Substrate	Aerial mycelium
1	AB1	Irregular	Medium	Flat	Filamentous	Dusky	Opaque	Orange	Positive	Rod	gray	Whitish gray
2	AB3	Irregular	Punctiform	Convex	Filamentous	Dusky	Opaque	Off white	Positive	Rod	Dark	Dark gray
3	AB4	Irregular	Punctiform	Raised	Filamentous	Dusky	Opaque	Off white	Positive	Rod	Slimy gray	Grayish white
4	AB5	Irregular	Small	Convex	Filamentous	Dusky	Trans- parent	Off white	Positive	Rod	white	White
5	AB7	Irregular	Small	Convex	Filamentous	Dusky	Opaque	Off white	Positive	Fila- mentous	gray	Dark gray
6	GB1	Irregular	Medium	Raised	Filamentous	Dusky	Opaque	Off white	Positive	Rod	White	Grayish white
7	GB3	Irregular	Medium	Crateriform	Filamentous	Dusky	Opaque	Off white	Positive	Rod	white	White
8	GB6	Irregular	Small	Raised	Filamentous	Dusky	Opaque	Off white	Positive	Rod	Dark gray	Dark gray
9	GB7	Irregular	Medium	Raised	Filamentous	Dusky	Opaque	Off white	Positive	Rod	gray	Whitish gray
10	GB8	Irregular	Small	Flat	Filamentous	Dusky	Opaque	Off white	Positive	Rod	gray	Dark gray
11	SCA C1	Irregular	Small	convex	Filamentous	Shining	Opaque	Off white	Positive	Rod	white	Grayish white
12	SCA2	Irregular	Small	Flat	Filamentous	Dusky	Opaque	Off white	Positive	Rod	gray	White
13	SCA C3	Irregular	Small	Crateriform	Filamentous	Dusky	Opaque	Off white	Positive	Rod	Dark gray	Dark gray
14	SCA C7	Irregular	Small	Umbonate	Filamentous	Dusky	Opaque	Off white	Positive	Rod	Dark gray	Dark

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Supplementary Table II. Biochemical characterization of actinobacterial strains.

Sr. No.	Strains	Glucose	Sucrose	Lactose	Starch	Urease	Catalase	Methyl red	Voges proskauer	Indole	Oxi-dase	Citrate	Motility
1	AB1	+	+	+	+	+	+	+	-	-	+	+	-
2	AB3	+	+	+	+	+	-	+	-	-	-	+	-
3	AB4	+	+	+	+	+	+	-	-	-	-	-	-
4	AB5	+	+	+	+	+	+	-	-	-	-	+	-
5	AB7	+	+	+	+	+	+	-	+	-	+	+	-
6	GB1	+	+	+	+	+	+	+	-	-	-	-	-
7	GB3	+	+	+	+	+	+	-	-	-	+	-	-
8	GB6	+	+	+	+	+	+	-	-	-	+	+	-
9	GB7	+	+	+	+	+	+	+	-	-	+	+	-
10	GB8	+	-	+	+	+	+	+	-	-	+	-	-
11	SCA C1	+	+	+	+	+	+	-	-	-	-	-	-
12	SCA2	+	+	+	-	+	-	+	-	-	+	+	-
13	SCA C3	+	+	+	+	+	-	+	-	-	+	-	-

(+), positive. (-), negative