

# Isolation, Genomic and Metabolomic Characterization of *Streptomyces tendae* VITAKN with Quorum Sensing Inhibitory Activity (QSI) from Southern India

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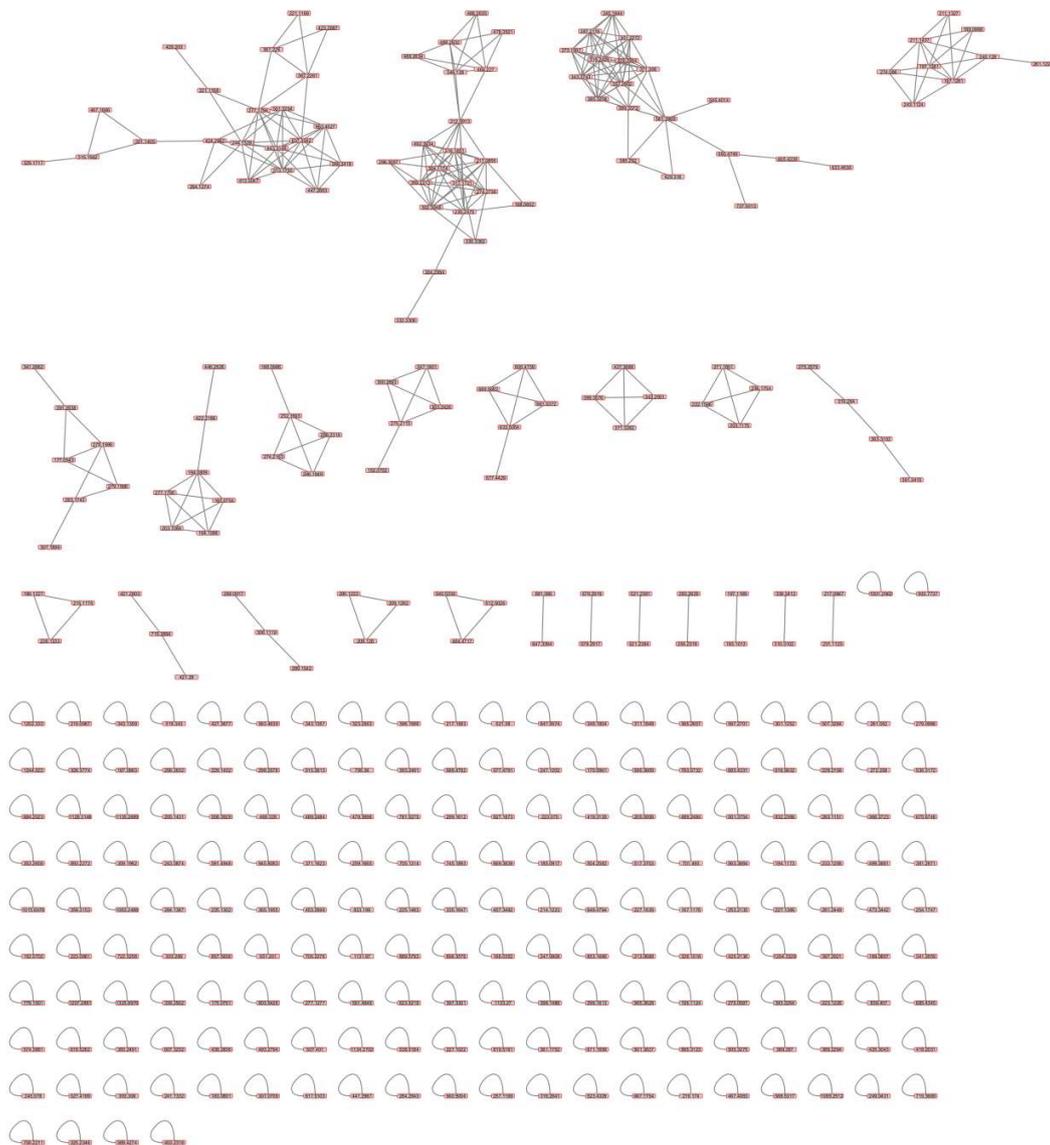
**Table S1.** Growth pattern of isolate *Streptomyces tendae* VITAKN on different media.

Media.	Growth	Aerial mycelium	Substrate mycelium
ISP1	Excellent	White	Grey
ISP2	Excellent	Yellowish white	Yellow
ISP3	Moderate	Whitish	Grey
ISP4	Excellent	Whitish	Grey
ISP5	Good	Grey	Grey
ISP6	Moderate	Whitish	Grey
ISP7	Excellent	Grey	Grey
Starch Casein Agar	Good	Grey	Grey
Nutrient Agar	Moderate	White	Grey
Actinomycetes Isolation Agar	Good	White	Grey

**Table S2:** Biochemical tests for *Streptomyces tendae* VITAKN

<b>Properties</b>	
Gram's stain	+
Motility	-
Aerial and substrate mycelium	+
Surface of the spore	Smooth
Colour of aerial mycelium	White
Shape of the spores	Oblong
Indole production	-
Methyl Red test	+
Voges Proskauer's test	-
Citrate Utilization test	+
Oxidase test	+
Catalase test	+
Triple Sugar Iron test	k/k
Urease test	+
Mannitol motility test	-
Amylase	-
Lipase	+
<b>Utilization of carbon source</b>	
Glucose	++
Fructose	+++
Maltose	+++
Mannitol	+++
Starch	+

Notes: Positive (+); Negative (-); k/k – alkaline slant, alkaline butt; Good (+++); Moderate (++); Fair (+)



**Figure S1:** Generation of molecular network with various clusters produced by crude extract of *Streptomyces tendae* VITAKN by GNPS above similarity score threshold. Nodes highlighted in colored boxes represent parent ions.