

**S1 Table: Conventional tests used for characterization of isolated strain CY-1.**

<b>Physiological &amp; biochemical tests</b>	<b>Result</b>
Shape	Rods
Gram reaction	Gram-negative
Motility	+
Spores	-
Growth in air	+
Anaerobic growth	-
Growth in 10% NaCl	-
Cytochrome oxidase	+
$\beta$ -galactosidase activity	-
Glucose fermentation	-
D-glucose utilization	-
Arabinose utilization	-
Mannose utilization	-
Mannitol utilization	-
N-acetylglucosamine utilization	-
Capric acid utilization	+
Maltose utilization	-
Adipic acid utilization	-
Gluconate potassium utilization	+
Malate utilization	+
Phenylacetic acid utilization	+
Citrate utilization	+
Esculin hydrolysis	-
Gelatin hydrolysis	-
Denitrogenation activity	-
Indole production	-
Urease test	+
Nitrate reduction	+ (fast)

+ Positive; - negative