Supplementary Table S2. Chemotaxonomic characteristics of *Bacillus* sp.AD13-4. AD13-4 strain utilizes Tartrate, Simon citrate, and Malonate as the sole carbon source, but does not utilize Glucose fermentation, Lactose fermentation, Sucrose, Fructose, Mannitol, L-Rhamnose, Galactose, Acetate, Arabinose, and Glycerol. +, Positive; -, negative.

Characteristic	AD13-4
Tartrate	+
Glucose fermentation	-
Lactose fermentation	-
Simon citrate	+
Sucrose	-
Fructose	-
Malonate	+
Mannitol	-
L-Rhamnose	-
Galactose	-
Acetate	-
Arabinose	-
Glycerol	-