







isolates showed ability to produce Gibberellic acid with and without L-tryptophan supplement in the medium. BE-76 showed high amount of Gibberellic acid production which was estimated on Spectrophotometer and for more accuracy the productivity of Gibberellic acid of BE 76 isolates HPLC was used. Based on morphological, cultural, biochemical and 16s rRNA gene sequencing this isolate was identified as *Bacillus siamensis* and designated as BE 76. It is concluded that presence of such growth promoting Endophytic bacteria (*Bacillus siamensis*) were accountable for the beneficial effects on crop growth and yield. Nitrogen fixation, plant growth promotion and improved nutrient absorption are important criteria for achieving a sustainable banana production system. The Gibberellic acid producing *Bacillus siamensis* BE 76 will promote the growth at the field level and prevent environmental pollution by avoiding excessive applications of chemical fertilizers and add to development of liquid bioinoculant for sustainable agriculture.

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