

Biosafety Clearing-House (BCH)

ORGANISM (ORGA)

BCH-ORGA-SCBD-116055-3

LAST UPDATED: 10 MAY 2021

Organism information

Scientific name

Banana streak virus Acuminata Yunnan

Taxonomic Classification

Kingdom Pararnavirae
Phylum Artverviricota
Class Revtraviricetes
Order Orterviraes
Family Caulimoviridae
Genus Badnavirus
Species Banana streak virus

Common name(s)

BSV(AY)

EN

Additional classification

Group (virus)

VII

Type of organism

Viruses

Characteristics related to biosafety

Additional Information

Banana streak virus Acuminata Yunnan is a non-enveloped, double stranded DNA virus with a circular genome encoding three open reading readings. The virus infects bananas (*Musa sp.*), causing banana streak disease. The symptoms will vary between banana streak viruses, but common symptoms include chlorotic and necrotic streaking. The infections will lead to stunted growth and reduction in bunch size (yield loss). The virus has been observed to integrate into the genome of the host banana. The virus likely spreads via insect vectors and may be also seedborne. It is unlikely to be mechanically transmitted.

EN

Banana streak virus is similar to *Sugarcane bacilliform virus*.

Other relevant website addresses and/or attached documents

- ? [NCBI Taxonomy Browser - Banana streak virus Acuminata Yunnan \(NCBI:txid334778\)](#) (*English*)
- ? [UniProtKB - Proteomes - Banana streak virus Acuminata Yunnan](#) (*English*)
- ? [CABI - Banana streak disease](#) (*English*)
- ? [GenBank - Banana streak virus Acuminata Yunnan, complete genome](#) (*English*)
- ? [Banana Streak Virus - A Highly Diverse Plant Pararetrovirus.pdf](#) (*English*)
- ? [Molecular characterization of Banana streak virus isolate from Musa Acuminata in China.pdf](#) (*English*)

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Further Information

Questions about the Cartagena Protocol on Biosafety or the operation of the Biosafety Clearing-House may be directed to the Secretariat of the Convention on Biological Diversity.

**Secretariat of the Convention
on Biological Diversity**

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