

# Species Datasheet CalU+SUK-Phase I

Datasheet No. A-085.002.019  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Musa markkuana* (M.Sabu, A.Joe & Sreejith) Hareesh, A.Joe & M.Sabu

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Musa velutina* subsp. *markkuana* M.Sabu, A.Joe & Sreejith

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Commelinids
- Order: Zingiberales Griseb.
- Family: Musaceae Juss.
- Genus: *Musa* L.
- Species: *M. markkuana* (M.Sabu, A.Joe & Sreejith) Hareesh, A.Joe & M.Sabu

### Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Epigynae
- Ordo: Scitamineae
- Genus: *Musa* L.
- Species: *M. markkuana* (M.Sabu, A.Joe & Sreejith) Hareesh, A.Joe & M.Sabu

## 4. Distribution:

**Global:** India, Myanmar

**India:** Assam, Arunachal Pradesh

5. Indigenous/Exotic/Endemic; Cultivated/Wild: Wild

## 6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Large cormous herb; along road sides and in marshy areas

8. Life Form: Cormous geophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

**17. Agametoploidy:**

**18. Nature of polyploidy (auto, segmental, allo, autoallo):**

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**21. Somatic chromosomes:**

**Karyotype**

**Chromosome size**

**NOR chromosome(s)**

**Degree of asymmetry**

Image file

**22. Banding pattern(s):**

Image file

**23. Physical mapping of chromosomes:**

**In situ hybridization**

Image file

**Fluorescent in situ hybridization**

Image file

**24. Genomic in situ hybridization:**

Image file

**25. Linkage map:**

Image file

**26. Chromosome associations:**

**Female meiosis**

**Male meiosis**

Image file

**27. Chromosome distribution at anaphase I:**

**28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level**

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):**