

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-085.002.030
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Musa thomsonii* King ex Cowan

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Musa* × *paradisiaca* var. *thomsonii*(King) K.Schum., *Musa* × *sapientum* f. *thomsonii* King

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Commelinids
- Order: Zingiberales Griseb.
- Family: Musaceae Juss.
- Genus: *Musa* L.
- Species: *M. thomsonii* King ex Cowan

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Epigynae
- Ordo: Scitamineae
- Genus: *Musa* L.
- Species: *M. thomsonii* King ex Cowan

4. Distribution:

Global: India, China

India: Assam, Sikkim, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Large herb; grows at low altitude foot hills and in sheltered spots in lower hillforest up to 457 meters above sea level

8. **Life Form:** Cormous geophyte

9. **Economic Importance:** Used as ornamental, fruits are consumed

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):