Species Datasheet CalU+SUK-Phase I

Datasheet No. A-085.002.031
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Musa velutina*H.Wendl. &Drude
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Musa dasycarpa* Kurz, *Musa velutina* var. *variegata*A.Joe, M.Sabu& Sreejith

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Commelinids
- Order: ZingiberalesGriseb.
- Family: Musaceae Juss.
- Genus:*Musa* L.
- Species: *M. velutina*H.Wendl. &Drude

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Epigynae
- Ordo: Scitamineae
- Genus:*Musa* L.
- Species:*M. velutina*H.Wendl. &Drude

4. Distribution:

Global: Brazil, Costa Rica, India, Myanmar, Puerto Rico

India: Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Sikkim, Tripura, West Bengal

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

6. Threat Status:

IUCN:
BSI:

7. Habit and Habitat: Large herb; occur in forests, woodlands, savanna, shrublands, inland, elevation range between 0-1500 meters

8. Life Form: Cormous geophyte

9. Economic Importance: Used as food, medicine and ornamental

10. Probable Progenitor of:

11. DNA

C-value	Methodology
2C (1.242±0.009 pg)[22]	Flow cytometry[22]

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=22[22]

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, aneusomaty, polysomaty):

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;Translocationsetc):