Species Datasheet CalU+SUK-Phase I

Datasheet No. A-085.001.001 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species:*Ensete glaucum* (Roxb.) Cheesman
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Musa glauca*Roxb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Commelinids
- Order: Zingiberales Griseb.
- Family: Musaceae Juss.
- Genus:*Ensete* Bruce ex Horan.
- Species: *E. glaucum* (Roxb.) Cheesman

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Epigynae
- Ordo: Scitamineae
- Genus:*Ensete* Bruce ex Horan.
- Species:*E. glaucum* (Roxb.) Cheesman

4. Distribution:

Global: Bangladesh, Bismarck Archipelago, China, India, Jawa, Laos, Lesser Sunda Island, Myanmar, Nepal, New Guinea, Philippines Sumatera, Taiwan, Thailand, Vietnam

India: Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura

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

6. Threat Status:

IUCN: Least concern

BSI:

7. Habit and Habitat: Large non-stoloniferous herb; moist places

8. Life Form: Cormous geophyte

9. Economic Importance: The pulp of the ripe fruit is eaten, considered highly medicinal to feed infant and patients. Young Shoots (Pseudo stem) and flowering part called 'Koldil' are also eaten as vegetable. The dried leaf and outer cover of the fruit are burnt and prepare an alkaline substance called Kala Khar' used to make a local delicacy called 'Khar'. The whole plant or parts are also used in different religious as well as domestic celebrations. The plant is also cultivated for ornamental purpose.

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, 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):