

Genus Datasheet

CalU+SUK-Phase I

DatasheetNo. A-087.002
(Family.Genus)

DBT- Network Programme

1. Genus: *Phrynium* Willd.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Zingiberales Griseb.
- Family: Marantaceae R.Br.
- Genus: *Phrynium* Willd.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Scitamineae
Genus: *Phrynium* Willd.

3. Species:

Global: 37

India: 3

4. Taxonomic riddles:

5. Distribution:

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, China, Hainan, India, Jawa, Laos, Malaya, Maluku, Myanmar, New Guinea, Philippines, Solomon Island, Sulawesi, Sumatera, Thailand, Vanuatu, Vietnam

India: Andaman and Nicobar Island, Assam, East Himalaya, Sri Lanka

6. Habit and Habitat: Herb

7. Economic Importance: Used as ornamentals

8. DNA content range:

Methodology:

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=36^1$

11. Gametic chromosome number(s):

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

13. Ploidy level:

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

15. Aberrant chromosome number(s) (aneuploidy,aneusomaty, polysomaty):

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: DNA level^{2,3,4}

20. Cytogenetic mechanism(s) underlying evolution

21. Linkage map:

22. Any other information: Total number of species with reports = 1/3