

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-087.002.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Phrynium pubinerve* Blume

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Narukila ovata* (L.) Farw., *Phrynium capitatum* Willd., *Phrynium densiflorum* Moritzi ex Körn., *Phrynium laoticum* Gagnep., *Phrynium malaccense* Ridl., *Phrynium ovatum* (L.) Druce, *Phrynium philippinense* Ridl., *Phrynium pubigerum* Blume, *Phrynium rheedei* Suresh & Nicolson, *Phrynium thorelii* Gagnep., *Phyllodes capitata* Kuntze, *Phyllodes pubigera* (Blume) Kuntze, *Phyllodes pubinervis* (Blume) Kuntze, *Pontederia ovata* L.

3. Systematic Position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

4. Distribution:

Global: India, China, Myanmar, Thailand, Laos, Cambodia, Vietnam, Malaysia, Indonesia, Philippines, New Guinea

India: Arunachal Pradesh, Assam, Meghalaya, Sri Lanka

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb with creeping root stock; semi-evergreen and myristica swamp forests

8. Life Form:

9. Economic Importance: Used as ornamental

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

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

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; Translocations etc):