

Species Datasheet

Datasheet No. A-028.018.003
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species *Rhaphidophora glauca* (Wall.) Schott

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Monstera glauca* K.Koch ex Ender, *Pothos glaucus* Wall., *Pothos wallichii* Steud., *Rhaphidophora glauca* var. *khasiana* Hook.f., *Scindapsus glaucus* (Wall.) Schott

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Rhaphidophora* Hassk..
- Species: *R. glauca* (Wall.) Schott

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Rhaphidophora* Hassk..
Species: *R. glauca* (Wall.) Schott

4. Distribution:

Global: Nepal to Indo-China

India: Tropical & subtropical Himalaya, North East India.

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb, subtropical and warm temperate mixed upper hill to lower montane broadleaf forest.

8. **Life Form:** Phanerophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=56^3$

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: Majority metacentric to nearly metacentric chromosomes ³

Chromosome size: Very small to small ³

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):