

Species Datasheet

Datasheet No. A-028.018.002
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species *R. decursiva* (Roxb.) Schott

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Monstera decursiva* (Roxb.) Schott, *M. multijuga* K.Koch ex Ender, *Pothos decursivus* Roxb., *Rhaphidophora decursiva* (Roxb.) A. Schott, *R. affinis* Schott, *R. eximia* Schott, *R. grandis* Schott, *R. insignis* Schott, *Scindapsus decursivus* (Roxb.) 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. decursiva* (Roxb.) Schott

Bentham and Hooker (1862)

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

4. Distribution:

Global: Indian Subcontinent to South China and Indo-China

India: Peninsular to East India, Tropical Himalaya

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb, tropical Moist Forest.

8. Life Form: Phanerophytes

9. Economic Importance: The stems and leaves are used medicinally for treating traumatic injuries, fractures, swellings, colds, lumbago, snake bites, coughs, and bronchitis.

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=26$ ¹

$$2n=54$$
²

$$2n=56$$
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 chromosomes³, Majority metacentric to submetacentric chromosomes²

Chromosome size Small to medium^{2,3}

NOR chromosome(s) 12 NOR²

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):