

Genus Data Sheet

Datasheet No. A-078.005
(Family.Genus)

DBT- Network Programme

1. Genus: *Rhopalephora* Hassk.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Rhopalephora* Hassk.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Rhopalephora* Hassk.

3. Species:

Global: 4

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Madagascar, Tropical & Subtropical Asia to Southwestern Pacific

India: Andhra Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra, Manipur, Meghalaya, Nagaland, Orissa, Tamil Nadu

6. Habit and Habitat: Herb. Mainly occur in forest margins, undergrowth and riverbanks

7. Economic Importance:

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=58^{3,4}$

11. Gametic chromosome number(s): $n=29^{1,2}$

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 atChromosomal; DNAlevel:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: