

Species Datasheet

Datasheet No. A-377.015.019
(family.genus.species)

DBT- Network Program

1. Taxon:

Species: *Dicliptera rauyi* Karthik. & Moorthy

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:

3. Systematic Position:

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Dicliptera* Juss.
- Species: *D. rauyi* Karthik. & Moorthy

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Dicliptera* Juss.
- Species: *D. rauyi* Karthik. & Moorthy

4. Distribution:

Global: India, Nepal and Bhutan.

India: Sub tropical Himalayas and Darjeeling

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb. Found in most deciduous forests.

8. Life Form: Chamaephytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=60^2$

14. Gametic chromosome number(s): $n=30^2, n=15^4$

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

Image file

16. Ploidy level: Decaploid²

Image file

17. Agametoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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: $30 \ 11^3, 15 \ 11^4$

Female meiosis

Male meiosis

27. Chromosome distribution at anaphase I: Anaphase is regular.

28. Genetic diversity:

Chromosomal level

DNA level

29. Any other information (Translocations; Inversion; Female meiosis; Male sterility; Pollen mitosis; Pollen stain ability etc):