

Genus Datasheet

Datasheet No. A-028.013
(Family.Genus)

DBT- Network Programme

1. Genus: *Lagenandra* Dalz.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Lagenandra* Dalzell

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Lagenandra* Dalzell

3. Species:

Global: 15

India: 6

4. Taxonomic riddles:

5. Distribution:

Global: Asia-Tropical, India, Sri Lanka.

India: North East India, Peninsular India.

6. Habit and Habitat: Herb, tropical humid forest.

7. Economic Importance:

8. DNA content range:

Methodology:

9. Basic chromosome number(s): $x=9$ ⁶
 $x=18$ ²

10. Zygotic chromosome number(s): $2n=32$ ⁵
 $2n=36$ ^{1,2,3,6,7}
 $2n=72$ ¹

11. Gametic chromosome number(s): $n=18$ ²

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ Neocentric chromosomes):

13. Ploidy level:

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis: ²

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: DNA level ^{4,8}

20. Cytogenetic mechanism(s) underlying evolutions

21. Linkage map:

22. Any other information:

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