

Genus Datasheet

Datasheet No. A-030.002
(Family.Genus)

DBT- Network Programme

1. Genus: *Caldesia* Parl.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Alismataceae Vent.
- Genus: *Caldesia* Parl.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Alismaceae
Genus: *Caldesia* Parl.

3. Species:

Global: ~5

India: 4

4. Taxonomic riddles:

5. Distribution:

Global: Africa, temperate and tropical Asia, parts of Australia and Europe

India: Peninsular to North & East India

6. Habit and Habitat: Aquatic or marshy herb; Grows in lakes, ponds, marshes, and canals.

7. Economic Importance: Used as ornamental plant

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n = 22^{1,2,3,4,5,6,7,8,9,10,12,13,14}$

11. Gametic chromosome number(s): $n = 11^{8,10,13}$

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:²

Meiosis:^{8,10,13}

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19.Phylogenetic relationship at Chromosomal; DNAlevel: DNA level^{15,16,17}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: