

Species Datasheet

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Datasheet No. A-030.002.001
(family.genus.species)

DBT- Ne

1. Taxon:

Species: *Caldesia grandis* Sam.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

3. 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.
- Species: *C. grandis* Sam.

Bentham and Hooker (1862)

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

4. Distribution:

Global: China, Bangladesh, India, and Malaysia

India: Assam, West Bengal

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

6. Threat Status:

IUCN: Least concern
BSI:

7. Habit and Habitat: Herb; grows in shallow water in lakes and marshes

8. Life Form: Hydrophytes

9. Economic Importance: Used as ornamental plant

10. Probable Progenitor of:

11. DNA
C-value Methodology

12. Basic chromosome number(s): x=

13. Zygotic chromosome number(s): 2n=22^{1,2,3}

14. Gametic chromosome number(s): n=

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 subtelocentric chromosomes ²

Chromosome size:

NOR chromosome(s)

Degree of asymmetry: Asymmetric²

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: ^{4,5}

29.Any other information (Apomixis ; Inversion; Male sterility;Pollen grain mitosis; Pollen stainability;Translocations etc):