

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-284.001
(Family.Genus)

DBT- Network Programme

1. Genus: *Aldrovanda* L.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Superasterids
- Order: Caryophyllales Juss. ex Bercht. & J. Presl
- Family: Droseraceae Salisb.
- Genus: *Aldrovanda* L.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetaleae
- Series: Calyciflorae
- Cohors: Rosales Bercht. & J. Presl
- Ordo: Droseraceae Salisb.
- Genus: *Aldrovanda* L.

3. Species:

Global: 1

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Bangladesh, Belarus, Botswana, Burundi, Cameroon, Central European Rus, Chad, Czechoslovakia, France, Germany, Ghana, Hungary, India, Inner Mongolia, Italy, Japan, Kazakhstan, Khabarovsk, Lesser Sunda Island., Madagascar, Manchuria, New South Wales, North Caucasus, Poland, Primorye, Queensland, Romania, Rwanda, Sudan, Tanzania, Transcaucasus, Ukraine, Western Australia, Yugoslavia, Zambia

India: Manipur, West Bengal

6. Habit and Habitat: Floating herb on water.

7. Economic Importance:

8. DNA content range:

2C (1.24±0.07pg)¹

Methodology

Flow cytometry¹

9. Basic chromosome number(s): x=12³; x=24¹

10. Zygotic chromosome number(s): 2n=48^{1,3}; 2n=38²

11. Gametic chromosome number(s):

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):

13. Ploidy level: Diploid¹

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

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

16. Karyograms:

Meiosis:

17. Banding pattern(s): Two CMA positive sites were located at the terminal region of two chromosomes at metaphase or were observed as satellites of two-sat-chromosomes at early stage of metaphase³

18. Physical mapping of chromosomes: All FISH signals at metaphase stage were located at the terminal region of four chromosomes³

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Total number of species with reports = 1/1