

Genus Datasheet

Datasheet No. A-028.015
(Family.Genus)

DBT- Network Programme

1. Genus: *Pistia* L.

2. Systematic Position:

APG IV (2016)

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

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Pistia* L.

3. Species:

Global: 1

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Pantropical

India: Throughout India

6. Habit and Habitat: Aquatic herb, tropical wetlands; floating aquatic in open, tranquil, freshwater habitats.

7. Economic Importance:

8. DNA content range:

Methodology:

9. Basic chromosome number(s): $x=7^3$

10. Zygotic chromosome number(s): $2n=28^{1,2,3,4,5,6,7,8,9,10}$

11. Gametic chromosome number(s): $n=14^2$

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: $7,8$

Meiosis: 2

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: DNA level^{11,12,13,14}

20. Cytogenetic mechanism(s) underlying evolution:

21. Linkage map:

22. Any other information: