

Genus Datasheet

DBT- Network Programme

Datasheet No. P-015.001

(Family.Genus)

1. Genus: *Anemia*

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Schizaeales Shimp
- Family: Anemiaceae Link
- Subfamily:
- Genus: *Anemia* Sw.

3. Species:

Global: 85 (accepted), 92 (unassessed)

India:

4. Taxonomic riddles:⁹

5. Distribution:

Global: Primarily in the New World, but with a few species in Africa, India, and islands of the Indian Ocean.

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): x=38^{1, 2, 3, 4, 5, 6, 7}

10. Zygotic chromosome number(s): $2n=152$ ⁸

11. Gametic chromosome number(s): $n=38$ ^{1, 2, 3, 4, 5, 6, 7} , 76 ^{2, 5, 7}

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

13. Ploidy level: Diploid (sexual) ^{1, 2, 3, 4, 5, 6, 7} , Tetraploid (sexual) ^{2, 5, 7, 8}

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

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

16. Karyograms:

Meiosis: ^{1, 3, 4, 5, 6, 7}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: