

Genus Datasheet

Datasheet No. A-377.010
(Family.Genus)

DBT- Network Programme

1. Genus:*Strobilanthes*Blume

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: LamialesBromhead
- Family:AcanthaceaeJuss.
- Genus: *Strobilanthes*Blume

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division:Phanerogamia
- Class: Dicotyledons
- Subclass:Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo:AcanthaceaeJuss.
- Genus:*Strobilanthes*Blume

3. Species:

Global: 720

India: 150

4. Taxonomic riddles:Yes ^{7, 8, 9, 10}

5. Distribution:

Global:China,India, Myanmar,Vietnam

India: Himalayan regions, Peninsular India, Western Ghats, East and North EastIndia

6. Habit and Habitat:Shrub. Found in plains and slopes of evergreen forests and also on hilly regions.

7. Economic Importance:Medicinal (Some species are used in folk medicine)

8. DNA content range:

Methodology:

2C

4C

9.Basic chromosome number(s):

10. Zygotic chromosome number (s): $2n=26^{1, 2}$, $2n=28^1$, $2n=30^{11}$ $2n=32^{3, 4, 5, 11}$, $2n=40^5$, $2n=42^5$

11. Gametic chromosome number (s): $n=10^5$, $n=13^{1, 2}$, $n=14^1$, $n=16^{2, 11}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ Neoc chromosomes):

13. Ploidy level:

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

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

16. Karyograms: Majority metacentric /submetacentric⁵ Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes: GISH:

19. Phylogenetic relationship atChromosomal; DNA level: Chromosomal level^{1, 2, 3, 4, 5, 6}

DNA level¹⁰

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: