

Genus Datasheet

DatasheetNo. A-377.031
(Family.Genus)

DBT- Network Progr

1. Genus:*Phialacanthus* Benth.

2. Systematic Position:

APG IV (2016)

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

Bentham and Hooker(1862)

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

3. Species:

Global:5

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Malaysia and India

India: Eastern Himalayan region.

6. Habit and Habitat:Erect shrub, tropical to sub-tropical forests.

7. Economic Importance:

8. DNA content range:

Methodology:

2C

4C

9.Basic chromosome number(s):

10. Zygotic chromosome number (s):

11. Gametic chromosome number (s):

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

13. Ploidy level:

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

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

16.Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship atChromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information:

