

Genus Datasheet

Datasheet No. A-061.107
(Family.Genus)

DBT- Network Programme

1. Genus: *Vanda*

Bentham and Hooker

Kingdom:

Division:

Order:

Class:

Subclass:

Order:

Family:

Subfamily:

Genus:

2. Systematic Position:

APG IV

- Kingdom:
- Clade:
- Clade:
- Clade:
- Order:
- Family:
- Subfamily:
- Genus:

3. Species:

Global: 60 (accepted), 4 (unassessed)

India:.

4. Taxonomic riddles:

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s):

11. Gametic chromosome number(s):

**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:

Meiosis:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

Zou LH, Huang JX, Zhang GQ, Liu ZJ, Zhuang XY 2015 A molecular phylogeny of Aeridinae (Epidendroideae) inferred from multiple nuclear and chloroplast regions. *Molecular Phylogenetic* 85: 247-254

Gardiner LM, Kocyan A, Motes M, Roberts DL, 2013. Molecular phylogenetics of Vana and related genera (Orchidaceae). *Botanical Journal of Linnean Society* 173: 549-572

Freudenstein JV, Chase MW 2015 Phylogenetic relationships in Epidendroideae (Orchidaceae) and their role in flowering plant radiations: progressive specialization and diversification. *Annals of Botany* 115: 1-15

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: