

Genus Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.010
(Family.Genus)

DBT- Network Programme

1. Genus: *Ascocentrum* Schltr.

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridineae
- Genus: *Ascocentrum* Schltr.

3. Species:

Global: 13 (accepted)

India: 3

4. Taxonomic riddles: 1, 2, 4

5. Distribution:

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, China North-Central, China South-Central, China Southeast, East Himalaya, Hainan, India, Japan, Jawa, Korea, Laos, Lesser Sunda Is., Malaya, Maluku, Marianas, Myanmar, Nansei-shoto, Nepal, New Guinea, Philippines, Queensland, Solomon Is., Sri Lanka, Sulawesi, Sumatera, Taiwan, Thailand, Tibet, Vietnam, West Himalaya

India: Andaman and Nicobar Islands, Assam, Nagaland, Arunachal Pradesh, Manipur, Mizoram, Meghalaya, Sikkim, Uttarakhand, West Bengal

6. Habit and Habitat: Monopodial epiphytic orchids

7. Economic Importance: Ornamental

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=19^3$,

10. Zygotic chromosome number(s): $2n=38^3$

11. Gametic chromosome number(s): $n=19^3$

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

13. Ploidy level Diploid ³

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

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

16. Karyograms: ³

Meiosis: ³

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

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

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

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: