

Datasheet No. A-061.093
(Family:Genus)

DBT- Network Programme

1. Genus:*Schoenorchis* Reinw. ex Blume

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridinae
- Genus: *Schoenorchis* Reinw. ex Blume

3. Species:

Global:28

India:5

4. Taxonomic riddles: ¹⁰

5. Distribution:

Global: Bangladesh, Borneo, Cambodia, China South-Central, China Southeast, Fiji, Hainan, India, Jawa, Laos, Lesser Sunda Is., Malaya, Myanmar, Nepal, New Caledonia, New Guinea, Philippines, Queensland, Samoa, Solomon Is., Sri Lanka, Sulawesi, Sumatera, Taiwan, Thailand, Tibet, Vanuatu, Vietnam

India: Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, West Bengal

6. Habit and Habitat: Epiphytic herb

7. Economic Importance: Medicinal, ornamental

8. DNA content range:

2C (6.38 pg) ³

Methodology

Feulgen microdensitometry³

9. Basic chromosome number(s): x=13⁹, 18^{4, 8}, 19^{1, 6, 7, 9}, 20^{2, 3, 7}

10. Zygotic chromosome number(s): $2n=36^{4, 5, 8}, 38^{1, 6, 7, 9}, 40^{2, 3, 7}, 26^9$

11. Gametic chromosome number(s): $n=19^9$

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

13. Ploidy level: Diploid ^{1, 2, 3, 4, 5, 6, 7, 8, 9}

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

16. Karyograms: ⁵

Meiosis: ⁹

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ¹⁰

20. Cytogenetic mechanism (s) underlying evolution: