Genus Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.002 (Family.Genus)

DBT- Network Programme

1. Genus: *Acanthophippium* Blume

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angisperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Collabieae
- Genus: *Acanthophippium* Blume

Bentham and Hooker

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Beletieae
Genus: *Acanthophippium* Blume

3. Species:

Global: 13 (accepted)

India: 3

4. Taxonomic riddles: [3, 15]

5. Distribution:

Global: Bangladesh, Borneo, China South-Central, China Southeast, East Himalaya, Fiji, India, Japan, Jawa, Laos, Lesser Sunda Is., Malaya, Maluku, Myanmar, Nansei-shoto, Nepal, New Caledonia, New Guinea, Philippines, Samoa, Solomon Is., Sri Lanka, Sulawesi, Sumatera, Taiwan, Thailand, Tonga, Vanuatu, Vietnam, Wallis-Futuna Is.

India: Karnataka, Kerala, Odisha, Tamil Nadu, Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim

6. Habit and Habitat: Terrestrial herbs

7.Economic Importance:

8. DNA content range: **Methodology**

2C (14.96 pg) [9] FeulgenMicrodensitometry[9]

9. Basic chromosome number(s):x=20[8, 9, 13, 14] ,21[5, 6], 24[1, 2, 4, 10] , 27[7]

10. Zygotic chromosome number(s): 2n=40[8, 9, 13, 14], 42 [5, 6] ,48[1, 2, 4,10]

11. Gametic chromosome number(s):n=20[8, 12] ,24[10] , 27[7]

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

13. Ploidy level Diploid[1, 2, 4, 5, 6, 7, 8,9, 10,12, 13, 14]

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

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

16. Karyograms: [10, 12]

Meiosis:[8, 10, 12]

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19.Phylogenetic relationship atChromosomal; DNAlevel:[3, 15]

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: