Genus Datasheet

Datasheet No. A-061.048 **DBT- Network Programme**
(Family.Genus)

1. Genus:*Dendrobium*

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: 1523 (accepted), 89 (unassessed)

India:.

4. Taxonomic riddles:10, 11, 52, 61, 63

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range: **Methodology**

2C (1.50-2.61 pg) [20] Flow cytometry[20]

2C (5.08-11.70pg) [40]Feulgenmicrodensitimetry[40]

9. Basic chromosome number(s):x=19 [3, 4, 6,8, 9, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43,45, 46, 47, 48,49, 50, 51,53, 54, 55, 56,57, 58, 59, 60, 62] ,

20[1,2, 3, 4, 6, 8,9, 12,13, 14, 18, 19, 20, 25, 26, 27, 30, 31, 33, 34, 36, 37, 38, 39, 40, 41, 42,43, 45, 46, 47, 49, 55,

21[44]

10. Zygotic chromosome number(s):2n=38[3, 4, 6, 8, 9, 12, 13, 14, 15, 16, 17, 18, 19,20, 21, 22, 23, 24, 2 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 42, 43, 46, 47, 48, 49, 50, 51,53, 54, 55, 56, 57, 58, 59, 60, 62] , 38+0-2B[39]

38+0-6B[55], 38+1B[20, 57] ,38+1f[18]

40[1, 2,3, 4, 6, 8, 9, 12, 13, 14, 18, 19, 20, 25, 26, 30, 31, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 45, 46, 47, 49,55, 56

40+1-2B[39] ,40+0-2B[55] , 40+1f[14] , 40+3f[12,13] , 42[44], 57[9, 18, 46, 47, 58]

76[9, 17, 47] , c.76[38, 45, 46]

20[1,2, 27, 30, 33, 34,36, 37, 38, 39, 41, 43, 42, 45, 47, 58]

19+0-6B[39, 47] , 19+1-4B[27, 33, 34] , 19+0-2 B's [47] , 20+1-2B[39]

c.38 [38, 45]

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

13. Ploidy level Diploid[1,2, 3, 4, 6, 8,9, 12, 13, 14, 15, 16, 17,18, 19, 20,21, 22, 23, 24, 25, 26, 27, 32, 33, 34,35, 36, 37, 38, 39, 40, 41, 42, 43,44, 45, 46, 47, 48, 49, 50, 51,53, 54,55, 56, 57, 58, 5

Triploid [9, 18, 46, 58] ,

Tetraploid[9, 17, 38, 45, 47, 56]

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

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

16. Karyograms: [4, 27, 33, 34, 42, 46, 47, 48, 60]

Meiosis:[23, 27, 33, 34, 35, 38, 45, 46, 47]

17. Banding pattern(s):

18. Physical mapping of chromosomes:

19.Phylogenetic relationship atChromosomal; DNAlevel:[10, 11, 52, 61]

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: