Genus Datasheet

Datasheet No. A-061.035 **DBT- Network Programme**
(Family.Genus)

1. Genus:*Coelogyne* Lindl.

Bentham and Hooker
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Coelogyneae
Genus: *Coelogyne* Lindl.

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribus: Arethuseae
- Subtribus: Coelogyninae
- Genus: *Coelogyne* Lindl.

3. Species:

Global: 269

India: 35

4. Taxonomic riddles: [4, 5]

5. Distribution:

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, Caroline Is., China North-Central, China South-Central, China Southeast, East Himalaya, Fiji, Hainan, India, Jawa, Laos, Lesser Sunda Is., Malaya, Maluku, Marianas, Myanmar, Nepal, New Caledonia, New Guinea, Philippines, Samoa, Santa Cruz

Is., Solomon Is., Sri Lanka, Sulawesi, Sumatera, Taiwan, Tonga, Vanuatu, Vietnam, West Himalaya

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range: **Methodology**

2C (8.92 pg) [23] FeulgenMicrodensitometry[23]

9. Basic chromosome number(s):x=19 [10, 11, 17,19,]20, 21, 26, 27, 28, 30,

20[1,3,6,7, 8, 9, 10, 11,12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 25, 26, 30, 31, 33, 34, 35, 36, 37], 21[16,17, 21, 26]

10. Zygotic chromosome number(s):2n=38[19,20, 21, 26, 27, 28, 30],38+0-2B[10, 11, 17]

40[6, 9, 12, 13, 14, 15, 16, 17, 20, 22, 23, 25, 26, 30, 31, 33, 34, 35, 36, 37]

80[2, 30, 31] ,40+1f[7, 8, 10, 11, 18] , 42[16, 17] ,44 [24, 29, 37] , 76[17]

11. Gametic chromosome number(s):n=19[21, 26]**,** 19+0-2B [17] , 20[1,9, 15,20, 21, 22, 26, 30, 32, 36]

20+1f[18] , 21[17, 21, 26]

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/

13. Ploidy level Diploid[1,3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,20, 21, 22, 23, 24, 25, 26, 27, 33, 34,35, 36, 37

Tetraploid[2, 17, 19, 21, 30, 31

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

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

16. Karyograms: 9, 14, 15,21, 25, 26,30

Meiosis: 9, 15, 20, 17, 21, 22, 26, 30, 33

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19.Phylogenetic relationship atChromosomal; DNAlevel:[4, 5

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: