Genus Datasheet

Datasheet No. A-061.025 **DBT- Network Programme**
(Family.Genus)

1. Genus:*Cephalanthera*Rich.

Bentham and Hooker
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Neottieae
Subtribus: Limodoreae
Genus: *Cephalanthera* Rich.

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Neottieae
- Genus: *Cephalanthera* Rich.

3. Species:

Global: 19

India: 1

4. Taxonomic riddles: 8

5. Distribution:

Global: Afghanistan, Albania, Algeria, Assam, Austria, Baleares, Baltic States, Belarus, Belgium, British Columbia, Bulgaria, California, Central European Rus, China North-Central, China South-Central, China Southeast, Corse, Cyprus, Czechoslovakia, Denmark, East Aegean Is., East European Russia, East Himalaya, Finland, France, Germany, Great Britain, Greece, Hungary, Idaho, India, Iran, Iraq, Ireland, Italy, Japan, Kazakhstan, Kirgizstan, Korea, Kriti,

Krym, Kuril Is., Laos, Lebanon-Syria, Manchuria, Morocco, M
Netherlands, North Caucasus, Northwest European R, N
Pakistan, Palestine, Poland, Portugal, Primorye, Romania, Sak
Sicilia, South European Russi, Spain, Sweden, Switzerlan
Taiwan, Thailand, Tibet, Transcaucasus, Tunisia, Turkey, Tu
Turkmenistan, Ukraine, Uzbekistan, Washington, West Himala
Yugoslavia

India: Manipur, Mizoram, Arunachal Pradesh, Sikkim, Jammu and Kashmir, Hi
Uttarakhand

6. Habit and Habitat: Herbs, terrestrial; 1000-3600m.

7.Economic Importance:

8. DNA content range: **Methodology**

9. Basic chromosome number(s):x=16[1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 15, 16, 17, 18, 19, 20, 21, 22,23, 24, 26
17[2, 9, 12, 13, 14, 15, 16, 25] , 18 [3]

10. Zygotic chromosome number(s):2n=32[1, 2, 3, 4, 5, 6, 7, 10, 11, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
32+1[19, 20],34[2, 12, 13, 14, 16, 25] , 34+0-2 B [5] , 36[3]

11. Gametic chromosome number(s):n=16[9, 15, 16], 17[9, 12, 15, 16]

13. Ploidy level Diploid[1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23,

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

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

16. Karyograms: [9, 15, 16]

Meiosis:[9, 12, 15, 16]

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19.Phylogenetic relationship atChromosomal; DNAlevel:[8]

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: