Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.006.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Anoectochilusbrevilabris*Lindl.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:*Anoectochilusgriffithii*Hook.f.,*Anoectochilussikkimensis* King &Pantl., AnoectochilustridentatusSeidenf., DossiniamarmarataLindl. [Illegitimate]

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angisperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Orchidoideae
- Tribe: Cranichideae
- Subtribe: Goodyerinae
- Genus: *Anoectochilus*Blume
- Species:*Anoectochilusbrevilabris*Lindl.

Bentham and Hooker(1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Neottieae
Genus: *Anoectochilus*Blume
Species:*Anoectochilusbrevilabris*Lindl.

4.Distribution:

Global: India, Nepal, Vietnam

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

5.Indigenous/Exotic/Endemic;Cultivated/Wild: Indigenous, wild

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial herbs, Grows in very moist and sandy places along the streams in dense forests or on decaying leaf-mold under thick bushy growth at 1300m

8.Life Form: Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA
C-value **Methodology**

12.Basic chromosome number(s):x=15[3, 4, 7] ,20[1, 2, 6, 8]

13. Zygotic chromosome number(s):2n=40[1, 6, 8],30[3, 4]

14. Gameticchromosome number(s):n=20[1, 2] , 15 [3, 4, 7]

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level: Diploid[1, 2, 3, 4, 6, 7, 8]

Image file

17.Agametoploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:[2, 5]

Karyotype Median, submedian[2, 5]

Chromosome size Small[2, 5]

NOR chromosome(s)

Degree of asymmetry Symmetrical[2, 5]

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:

Image file

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis

Male meiosis20 II, secondary associations observed[2, 5] ,15 II [4, 7]

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29.Any other information (Apomixis; Inversion; Male sterility;Pollen grain mitosis; Pollen stainability;Translocationsetc.): Pollen mitosis n=20[2]