Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.006.007 (family.genus.species) **DBT- Network Programme**

1. **Taxon:**

Species: *Anoectochilus roxburghii* (Wall.) Lindl.

Subspecies:
Variety:
Cultivar
Hybrid
Image file

2. Synonyms:*Anoectochilus frederici-augusti* Rchb.f., *Anoectochilus latomaculatus* Blume, *Anoectochilus lobbianus* Planch., *Anoectochilus regalis* Blume, *Anoectochilus roxburghii* var. *roxburghii*, *Anoectochilus setaceus* Lindl. [Illegitimate], *Anoectochilus xanthophyllus* Planch., *Anoectochilus yungianus* S.Y.Hu, *Chrysobaphus roxburghii* Wall., *Zeuxine roxburghii* (Wall.) M.Hiroe

2. **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:*Anoectochilus roxburghii* (Wall.) Lindl.

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

4.Distribution:

Global: Eastern Himalayas, Assam, Bangladesh, Nepal, Sri Lanka, western Himalayas, Bhutan, Thailand, Laos, Yunnan China, Vietnam, Java and Sumatra

India: Throughout Himalayas 1500m

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial herbs: occurs in very moist and shady places

8.Life Form: Cryptophytes

9.Economic Importance: Medicinal, treating tuberculosis

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=15[6, 8, 9],20[10]

13. Zygotic chromosome number(s):2n=30[9] , 40 [10]

14. Gametic chromosome number(s):n=15+ 2-3 B's[6, 8]

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):2-3 B's[6, 8]

Image file

16.Ploidy level: Diploid [6, 8, 9, 10]

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:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

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 meiosis15 II+0-2 Bs [6]

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.):