

Datasheet No. A-061.003.010
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Aeridesodoratum* Reinw. ex Blume

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: Nil

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandaeae
- Subtribe: Aeridinae
- Genus: *Aerides* Lour.
- Species: *Aeridesodoratum* Reinw. ex Blume

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandaeae
Subtribus: Sarcantheae
Genus: *Aerides* Lour.
Species: *Aeridesodoratum* Reinw. ex Blume

4.Distribution:

Global: Chinese Himalayas, western Himalayas, Bangladesh, Eastern Himalayas, India, Nepal, Myanmar, Thailand, Laos, Cambodia, Vietnam, Malaysian peninsular, Borneo, Sumatra, Java, Philippine

India: Himalayas, Andamán Islands

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Epiphyte, grows at lower levels in Doon Valley and Kumaon hills

8.Life Form: Phanerophytes

9.Economic Importance:Ornamental value, medicinal, antibacterial

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=18^{7, 11, 12, 13}, 19^{1, 6, 17, 21, 25}, 20^{19}$

13. Zygotic chromosome number(s): $2n=38^{6, 17, 21}, 36^{11, 12, 13}, 40^{19}, 76^6$

14. Gametic chromosome number(s): $n=18^{7, 12, 13}, 19^{1, 25}$

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

Image file

16.Ploidy level:Diploid^{1, 6, 7, 11, 12, 13, 17, 19, 21, 25}, Tetraploid⁶

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 meiosis 18 II^{7, 12, 13}

Image file

27. Chromosome distribution at anaphase I: 18:18 segregation at A-I^{7, 12, 13}

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):