

Datasheet No. A-061.003.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Aeridesaffinis* Wall. exJ.Lindl.

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: Vandeeae
- Subtribe: Aeridinae
- Genus: *Aerides* Lour.
- Species: *Aeridesaffinis* Wall. exJ.Lindl.

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandeeae
Subtribus: Sarcantheae
Genus: *Aerides* Lour.
Species: *Aeridesaffinis* Wall. exJ.Lindl.

4. Distribution:

Global: Vietnam, Thailand, Bhutan, India

India: Sikkim, Assam

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Epiphytic or lithophytic

8. Life Form: Phanerophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=19$ ¹⁷

13. Zygotic chromosome number(s): $2n=38$ ¹⁷

14. Gametic chromosome number(s): $n=$

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

Image file

16. Ploidy level: Diploid¹⁷

Image file

17. Agameteoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:¹⁷

Karyotype Mostly median and submedian¹⁷

Chromosome size

NOR chromosome(s)⁴¹⁷

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

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; Translocation etc.):