

Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.003.012
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Aeridesrosea* Lodd. exLindl. & Paxton

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Aeridesfieldingii* B.S. Williams, *Aeridesrosea* f. *alba* (L. Linden) Christenson, *Aeridestrigona* Klotzsch, *Aerideswilliamsii* B.S. Williams, *Aeridesfieldingii* B.S. Williams, *Aeridesrosea* f. *alba* (L. Linden) Christenson, *Aeridestrigona* Klotzsch, *Aerideswilliamsii* B.S. Williams

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridinae
- Genus: *Aerides* Lour.
- Species: *Aeridesrosea* Lodd. exLindl. & Paxton

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandeae
Subtribus: Sarcantheae
Genus: *Aerides* Lour.
Species: *Aeridesrosea* Lodd. exLindl. & Paxton

4. Distribution:

Global: Vietnam, Thailand, Bhutan, China, Myanmar, Cambodia, India

India: Sikkim, Assam

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Epiphytic or lithophytic, grows in evergreen or semideciduous forests 300-1700m

8. Life Form: Phanerophytes

9. Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19$ ^{17, 27}

13. Zygotic chromosome number(s): $2n=38$ ^{17, 27}

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

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

Image file

16.Ploidy level:Diploid^{17, 27}

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:¹⁷

KaryotypeMostly median and submedian¹⁷

Chromosome sizeSmall¹⁷

NOR chromosome(s)4¹⁷

Degree of asymmetry Symmetrical¹⁷

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.):