

Species Datasheet

Datasheet No. A-061.078.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Polystachyaconcreta* (Jacq.)Garay&H.R.Sweet

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Callistaflavescens* \(Blume\) Kuntze](#)

[*Cranichisluteola* Sw. \[Illegitimate\]](#)

[*Dendrobiumflavescens* \(Blume\) Lindl.](#)

[*Dendrobiumparvum* Seidenf.](#)

[*Dendrobiumpolystachyum* Sw. \[Illegitimate\]](#)

[*Dendrobiumpolystachyum* Thouars \[Illegitimate\]](#)

[*Dendrorchisestrellensis* \(Rchb. f.\) Kuntze](#)

[*Dendrorchisextinctoria* \(Rchb. f.\) Kuntze](#)

[*Dendrorchisjussieuana* \(Rchb. f.\) Kuntze](#)

[*Dendrorchisminuta* \(Aubl.\) Kuntze](#)

[*Dendrorchispolystachyon* \(Lindl.\) Kuntze](#)

[*Dendrorchispurpurea* \(Wight\) Kuntze](#)

[*Dendrorchisrufinula* \(Rchb. f.\) Kuntze](#)

[*Dendrorchisshirensis* \(Rchb. f.\) Kuntze](#)

[*Dendrorchissimilis* \(Rchb. f.\) Kuntze](#)

[*Dendrorchistessellata* \(Lindl.\) Kuntze](#)

[*Dendrorchiswightii* \(Rchb. f.\) Kuntze](#)

[*Dendrorchiszollingeri* \(Rchb. f.\) Kuntze](#)

[*Dendrorchisextinctoria* \(Rchb.f.\) Kuntze](#)

[*Dendrorchisjussieuana* \(Rchb.f.\) Kuntze](#)

[*Dendrorchisminuta* \(Aubl.\) Kuntze](#)

[*Dendrorchispolystachyon* \(Sw.\) Kuntze](#)

[*Dendrorchispurpurea* \(Wight\) Kuntze](#)

[*Dendrorchisrufinula* \(Rchb.f.\) Kuntze](#)

[*Dendrorchistessellata* \(Lindl.\) Kuntze](#)

[*Dendrorchiszollingeri* \(Rchb.f.\) Kuntze](#)

[*Epidendrumconcretum* Jacq.](#)

[*Epidendrumminutum* Aubl.](#)

[*Maxillariahuteola* Beer \[Illegitimate\]](#)

[*Maxillariapurpurea* \(Wight\) Beer](#)

[*Onychiumflavescens* Blume](#)

[*Polystachyabuchananii* Rolfe](#)

[*Polystachyacquetana* Schltr.](#)

[*Polystachyacolumbiana* Schltr.](#)

[*Polystachyacubensis* Schltr.](#)

[*Polystachyaextinctoria*Rchb.f](#)
[*Polystachyaflavescens* \(Blume\) J.J.Sm](#)
[*Polystachyagracilis* De Wild.](#)
[*Polystachyahypocrita*Rchb.f](#)
[*Polystachyajussieuana*Rchb.f](#)
[*Polystachyakraenzliana* Pabst](#)
[*Polystachyakraenzliniana* Pabst](#)
[*Polystachyalatifolia* De Wild.](#)
[*Polystachyalehmbachiana*Kraenzl.](#)
[*Polystachyalepidantha*Kraenzl.](#)
[*Polystachyalettowiana*Kraenzl.](#)
[*Polystachyaluteola* Hook. \[Illegitimate\]](#)
[*Polystachyaluteola* var. *exsanguis*Cordem.](#)
[*Polystachyaluteola* var. *paniculata*Cordem.](#)
[*Polystachyaluteola* var. *racemifera*S.Moore](#)
[*Polystachyaluteola* var. *tincta*Cordem.](#)
[*Polystachyamauritiana*Spreng.](#)
[*Polystachyamauritiana* var. *anceps*H.Perrier](#)
[*Polystachyaminuta*Frapp. ex Cordem. \[Invalid\]](#)
[*Polystachyaminuta* \(Aubl.\) Britton \[Illegitimate\]](#)
[*Polystachyanitidula*Rchb.f](#)
[*Polystachyapenangensis*Ridl.](#)
[*Polystachyapleistantha*Kraenzl.](#)
[*Polystachyapraealta*Kraenzl.](#)
[*Polystachyapurpurea* Wight](#)
[*Polystachyapurpurea* var. *lutescens*Gagnep.](#)
[*Polystachyareichenbachiana*Kraenzl.](#)
[*Polystachyarufinula*Rchb.f](#)
[*Polystachyasiamensis*Ridl.](#)
[*Polystachyasingaporensis*Ridl.](#)
[*Polystachyatessellata*Lindl.](#)
[*Polystachyatessellata* var. *tricuris* \(Rchb.f.\) Schelpe](#)
[*Polystachyatricuris*Rchb.f](#)
[*Polystachyazanguebarica* Rolfe](#)
[*Polystachyazeylanica*Lindl.](#)

[*Polystachyazollingeri*Rchb.f](#)

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandaeae
- Subfamily: Polystachyinae
- Genus: *Polystachya* Hook.
- Species: *Polystachyaconcreta* (Jacq.) Garay&H.R.Sweet

Bentham and Hooker(1862)

Kingdom: Plantae
 Division: Phanerogamia
 Class: Monocotyledonae
 Series: Microspermae
 Ordo: Orchideae
 Tribus: Vandaeae
 Subtribus: Cymbidieae
 Genus: *Polystachya* Hook.
 Species: *Polystachyaconcreta* (Jacq.)
 Garay&H.R.Sweet

4.Distribution:

Global:India, Sri Lanka, Myanmar, Indonesia, Malaysia, Philippines, Thailand, Africa, America, Indo-China

India: Andaman & Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Karnataka, Kerala, Manipur, Meghalaya, Nagaland, Odisha, Tamil Nadu

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Epiphytic herb

8. Life Form: Phanerophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

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

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

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

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

Image file

16. Ploidy level:

Image file

17. Agametoploidy:

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

19. Genomic formula:

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

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

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.):