

Species Datasheet
DBT- Network Programme

Datasheet No. A-098.006.004
(family.genus.species)

1.Taxon:*Bulbostylis* Kunth

Species: *Bulbostylis densa* (Wall.) Hand.-Mazz.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms:*Abildgaardia densa*(Wall.) Lye, *Bulbostylis capillaris* f. *densa* (Wall.) C.B.Clarke, *Bulbostylis tenuissima* Nakai, nom. illeg., *Fimbristylis densa*, (Wall.) T.Koyama & T.I.Chuang, nom. illeg., *Isolepisdensa* (Wall.) Schult.*Isolepis tenuissima*D.Don, nom. illeg., *Scirpusdensus* Wall., *Stenophylluscapillaris* var. *densus* (Wall.) H.Pfeiff., *Stenophylluscapillaris* var. *laxa* H.Pfeiff.

3.Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Bulbostylis* Kunth
- Species: *B. densa*

4.Distribution:

Global: Tropical Africa, Asia and Australia

India: Assam, Odisha, Madhya Pradesh and Tamil Nadu

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

Bentham and Hooker(1862)

Kingdom: Plantae

Division:Phanerogamia

Class: Monocotyledones

Series: Glumaceae

Ordo: Cyperaceae Juss.

Genus: *Bulbostylis* Kunth

Species: *B. densa*

6.Threat Status:

IUCN: List Concern

BSI:

7.Habit and Habitat:Herb

8.Life Form:Annual

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology:

12. Basic chromosome number(s): $x=5^1$

13. Zygotic chromosome number(s): $2n=72^1 84^{1,13}$

14. Gametic chromosome number(s): $n=32^1$

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

Image file

16. Ploidy level: Hyperdodecaploid¹

Image file

17. Agamete ploidy:

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: 32 II^1

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; Translocations etc):