Species Data Sheet

Datasheet No. A-098.009.018 **DBT- Network Programme**
(family.genus.species)

1.Taxon:*Fimbristylis* Vahl
Species**:***Fimbristylis complanata*(Retz.) Link (*Accepted Name*)
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Cyperus complanatus* (Retz.) Willd., nom. illeg., *Fimbristylis autumnalis var. complanata* (Retz.) Kük.,*Isolepis complanata* (Retz.) Roem. & Schult., *Scirpuscomplanatus* Retz., *Trichelostyliscomplanata* (Retz.) Nees

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Fimbristylis* Vahl
- Species: *F. complanata*

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Fimbristylis* Vahl
Species: *F.complanata*

4.Distribution:

Global: Pantropical, extending North to China and temperate Japan

India: Kerala andAssam.

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

6.Threat Status:

IUCN: Least 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[2,58]

13. Zygotic chromosome number(s):2n=10[1,2,3,4,19,58]16[45,48]20[8,17,18,20]

14. Gametic chromosome number(s):n=5[1,2,19,47]10[17,18,20]

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

Image file

16.Ploidy level: Diploid[2,19,58], Tetraploid[18]

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:10II[18,20]

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;Translocationsetc): Pollen mitosis: (n=5)[2]