Species Data Sheet

Datasheet No. A-078.012.013
(family.genus.species)

DBT- Network Programme

1. Taxon:
Species: *Cyanotispilosa*Schult. &Schult.f.
Subspecies
Variety
Cultivar
Hybrid
Image file

2. Synonyms:*Cyanotislongifolia* Wight, *C. wightii* C.B.Clarke, *Tonningiapilosa* (Schult. & Schult.f.) Kuntze,*T. Wightii*(C.B.Clarke) Kuntze, *Tradescantiapilosa* Willd. ex Schult. & Schult.f.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. &J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Cyanotis* D. Don.
- Species: *C.pilosa* Schult. &Schult.f.

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Cyanotis*D. Don
Species*: C.pilosa* Schult. &Schult.f.

4.Distribution:

Global: India, Sri Lanka

India: Peninsular India.

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat: Herb.Found in rocky crevices, grassland slopes

8.Life Form: Chamaephytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):x=12[1]

13. Zygotic chromosome number(s):2n=24[1,2,3,7,10,28]

14. Gametic chromosome number(s):n=12[2,10]

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

Image file

16.Ploidy level: Diploid[1]

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: Mostly terminal and median[1]
Chromosome size: Medium size
NOR chromosome(s)
Degree of asymmetry: Symmetrical[1]
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;Translocations etc):