

Species Data Sheet

Datasheet No. A-078.012.016
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyanotisvaga*(Lour.) Roem. & Schult.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:***Commelinahirsuta*Hochst. exA.Rich, *Cyanotisabyssinica*Hook.f, *C.abysinica*A.Rich, *C.bulbosa*H.Lév., *C.glaberrima*Hassk., *C.hirsuta*(Hochst. ex A.Rich.) Fisch.,C.A.Mey. &Avé-Lall. exC.B.Clarke *C.mannii*C.B.Clarke, *C.nobilis*Hassk., *C.nodiflora*C.B.Clarke, *C.parasitica*Hochst. exSchweinf, *Tonningiaglaberrima*(Hassk.) Kuntze, *T.hirsuta*(Hochst. ex A.Rich.) Kuntze, *T.mannii*(C.B.Clarke) Kuntze *T.parasitica*(Hochst. ex Schweinf.) Kuntze *T.vaga*(Lour.) Kuntze, *Tradescantiaradicans*Royle, *T.vaga*Lour.,*Zygomenesabyssinica*(A.Rich.) Hassk.,*Z.parasitica*(Hochst. ex Schweinf.) Hassk.

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. vaga* (Lour.) Roem. & Schult.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Cyanotis*D. Don
Species: *C.vaga*(Lour.) Roem &

Schult.

4.Distribution:

Global: India, Taiwan, Yunnan, Bhutan, Myanmar, Nepal, Thailand, Vietnam.

India: Subtropical Himalaya.

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

6.Threat Status:

IUCN

BSI

7.**Habit and Habitat:**Herb, found in pine forest and grassy areas.

8.**Life Form:**Chamaephytes

9.**Economic Importance:**

10. **Probable Progenitor of:**

11.DNA

C-valueMethodology

12.Basic chromosome number(s): $x=4$ ¹⁵

13. Zygotic chromosome number(s): $2n=24$ ^{13,15,16} 34 ³²

14. Gametic chromosome number(s): $n=12$ ^{3,16,25} 13 ^{15,16}

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

Image file

16.Ploidy level:Diploid¹⁵

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: 12II¹⁵

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):