

Species Data Sheet

Datasheet No. A-078.006.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pollia subumbellata* C.B.Clarke

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Aclisia subumbellata* (C.B.Clarke) C.B.Clarke, *Aneilema reniforme* Buch.-Ham ex Wall., *Commelina reniformis* Steud., *Dictyospermum wightii* var. *robustum* 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: *Pollia* Thunb.
- Species: *Pollia subumbellata* C.B.Clarke

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Pollia* Thunb.
Species: *Pollia subumbellata* C.B.Clarke

4. Distribution:

Global: India, Thailand, Borneo

India: Arunachal Pradesh, Assam, Meghalaya, Nagaland, Sikkim

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

6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Herb. Occur in evergreen forest, underground or along the streams.

8. **Life Form:** Chamaephytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11.DNA

C-valueMethodology

12.Basic chromosome number(s): $x=8^516^4$

13. Zygotic chromosome number(s): $2n=10^732^2$

14. Gametic chromosome number(s): $n=16^1$

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, 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: 16II^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):