

Species Data Sheet

Datasheet No. A-078.006.003
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species: *Pollia secundiflora* (Blume) Brueck.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Aclisia cumingiana* Hassk., *A. elegans* (Hassk.) Hassk., *A. gigantea* Hassk., *A. indica* Wight, *A. secundiflora* (Blume) Bakh.f., *A. sorzogonensis* E.Mey. ex C.Presl, *Aneilema didymum* Seem., *A. imbricatum* Warb., *A. secundiflorum* (Blume) Kunth, *A. siamense* Craib, *Commelina didyma* Steud., *C. secundiflora* Blume, *Pollia aclisia* Hassk., *P. didyma* C.B.Clarke, *P. elegans* Hassk., *P. indica* (Wight) Thwaites, *P. secundiflora* var. *gigantea* (Hassk.) Sanjappa, *P. secundiflora* var. *indica* (Wight) Sanjappa, *P. siamensis* (Craib) Faden ex D.Y.Hong, *P. sorzogonensis* (E.Mey. ex C.Presl) Steud., *P. sorzogonensis* var. *gigantea* (Hassk.) C.B.Clarke, *P. sorzogonensis* var. *indica* (Wight) C.B.Clarke, *P. umbellata* H.Lév., *P. secundiflora* var. *secundiflora*

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 secundiflora* (Blume) Brueck.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Pollia* Thunb.
Species: *Pollia secundiflora* (Blume) Brueck.

4. Distribution:

Global: India, Sri Lanka, New Guinea.

India: Andaman and Nicobar Island, Assam, Karnataka, Kerala, Meghalaya, Mizoram, Tripura, Uttar Pradesh, West Bengal.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb. Found in evergreen forests, along the roadsides in shady areas, in association with other herbaceous flora

8. Life Form: Chamaephytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=8^5 16^{3,4}$

13. Zygotic chromosome number(s): $2n=32^{2,3}$

14. Gametic chromosome number(s): $n=10^6 16^1$

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

Image file

16. Ploidy level: Diploid^{3,4}

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: Small³

NOR chromosome(s): 2NOR³

Degree of asymmetry:

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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):