

Genus Data Sheet

Datasheet No. A-078.006
(Family.Genus)

DBT- Network Programme

1. Genus: *Pollia* Thunb.

2. 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.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Pollia* Thunb.

3. Species:

Global: 22

India: 5

4. Taxonomic riddles:

5. Distribution:

Global: Pantropical to warm temperate. Mainly found in Asia

India: Andaman and Nicobar Islands, Tripura, Uttarakhand.

6. **Habit and Habitat:** Herb. Along the margins of seasonal streams, in undergrowth of evergreen forest

7. Economic Importance:

8. DNA content range:

2C

4C

Methodology

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

10. Zygotic chromosome number(s): $2n=10^732^{1,2,3}$

11. Gametic chromosome number(s): $n=10^616^1$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ Neocentric chromosomes):

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

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship atChromosomal; DNAlevel:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: