

Species Datasheet

Datasheet No. A-028.023.004
(family.genus.species)

DBT- Network Programme

-

1. Taxon:

Species *Typhonium inopinatum* Prain

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Typhonium inopinatum* var. *trisectum* Engl.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Typhonium* Schott
- Species: *T. inopinatum* Prain
- **4. Distribution:**

Global: India to Thailand

India: East India

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Nudiflorae

Ordo: Aroideae Arn.

Genus: *Typhonium* Schott

Species: *T. inopinatum* Prain

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb, tropical dry forest

8. **Life Form:** Tuberous geophytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C- value

Methodology

12. Basic chromosome number(s): $x=8$ ⁷

13. Zygotic chromosome number(s): $2n=26$ ^{2,7}
 $2n=28$ ¹⁵

14. Gametic chromosome number(s): $n=13$ ^{2,7}

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: Majority submetacentric chromosomes ⁷

Chromosome size: Very small to small ⁷

NOR chromosome(s): 4 NOR ⁷

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 13II⁷

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):