

Genus Datasheet

Datasheet No. A-028.017
(Family. Genus)

DBT- Network Programme

1. Genus: *Remusatia* Schott

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Remusatia* Schott

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Remusatia* Schott

3. Species:

Global: 4

India: 3

4. Taxonomic riddles:

5. Distribution:

Global: Tropical Africa, tropical Asia, Malay Archipelago, Australia.

India: Temperate and Subtropical Himalaya, North East India, Peninsular India.

6. Habit and Habitat: Herb, tropical seasonal forest.

7. Economic Importance:

8. DNA content range:

2C (4.26pg)⁷

4C (8.51pg)⁷

Methodology:

Flow cytometry⁷

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

10. Zygotic chromosome number(s): $2n=28$ ^{1,2,3,4,5,6,7,8,9,10}

$2n=30$ ¹⁶

$2n=42$ ^{1,4,11}

$2n=56$ ¹²

11. Gametic chromosome number(s):

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

13. Ploidy level: Diploid⁴, Triploid¹¹, Octaploid¹²

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

15. Aberrant chromosomenumber(s) (aneuploidy,aneusomaty, polysomaty):

16.Karyograms:^{4,8}

Meiosis:¹¹

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19.Phylogenetic relationship atChromosomal; DNA level:DNA level^{13,14,15}

20. Cytogenetic mechanism(s) underlying evolution

21. Linkage map:

22. Any other information: