

Genus Datasheet

Datasheet No. A-028.019
(Family. Genus)

DBT- Network Programme

1. Genus: *Sauromatum* 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: *Sauromatum* Schott

Bentham and Hooker (1862)

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

3. Species:

Global: 9

India: 4

4. Taxonomic riddles:

5. Distribution:

Global: Tropical Asia, Arabian Peninsula, tropical and subtropical southern Asia

India: Temperate Himalaya, East India.

6. Habit and Habitat: Herb, tropical upland forest and grassland

7. Economic Importance:

8. DNA content range:

$4C(10.36 \pm 0.08 - 11.78 \pm 0.35 \text{ pg})^1$

Methodology:

Feulgen cytophotometry¹

9. Basic chromosome number(s): $x=13^{6,8}$
 $x=16^{16}$

10. Zygotic chromosome number(s): $2n=18^1$

$2n=26^{2,4,5,6,7,8,9,10,11,12,13}$

$2n=32^{14,15}$

$2n=52^{1,8,20}$

11. Gametic chromosome number(s): $n=13^3$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ N chromosomes):

13. Ploidy level:Diploid ¹³,Tetraploid⁸

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

15. Aberrantchromosomenumber(s) (aneuploidy,aneusomaty, polysomaty):

16.Karyograms:¹¹

Meiosis:^{3,4}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19.Phylogenetic relationship atChromosomal; DNA level:DNA level^{17,18,19}

20. Cytogenetic mechanism(s) underlying evolution

21. Linkage map:

22. Any other information: