Genus Datasheet

DatasheetNo. A-028.020
(Family.Genus)

DBT- Network Programme

1. Genus:*Scindapsus* 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:*Scindapsus* Schott

Bentham and Hooker(1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus:*Scindapsus* Schott

3. Species:

Global: 35

India:3

4. Taxonomic riddles:

5. Distribution:

Global: Tropical Asia, Malay Archipelago, Melanesia, pacific.

India: East & North East India, Andaman & Nicobar Islands, Tropical Himalaya

6. Habit and Habitat: Herb,dry deciduous, dry evergreen and dry mixed lowland to hill forest

7.Economic Importance:

8. DNA content range:

4C(47.02pg)[4]

Methodology:

Feulgen microdensitometry[4]

9.Basic chromosome number(s):x=10[6]

10.Zygotic chromosome number(s):2n=42[1]

2n=56[2,3]

2n=60[4,6]

2n=112[5]

11. Gametic chromosome number(s):

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

13. Ploidy level:

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

15. Aberrantchromosomenumber(s) (aneuploidy,aneusomaty, polysomaty): Variant chromos somatic cells showing $2n=22^{3}$, $2n=32^{3}$, $2n=48^{2}$, $2n=49^{2}$, $2n=50^{2}$, $2n=58^{2}$

16.Karyograms:[2,3] **Meiosis:**

17. Banding pattern(s):

18. Physical mapping of chromosomes: **GISH:**

19.Phylogenetic relationship atChromosomal; DNA level: DNA level[7]

20. Cytogenetic mechanism(s) underlying evolution: Alterations in somatic chromosomes see in speciation, alter nuclei by division give rise to individual with alter genomic constitution throu in evolution[2]

21. Linkage map:

22. Any other information: