

Genus Data Sheet

Datasheet No. A-078.007
(Family.Genus)

DBT- Network Programme

1. Genus: *Streptolirion* Edgew.

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: *Streptolirion* Edgew.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Streptolirion* Edgew.

3. Species:

Global: 1

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Japan to Himalaya and Laos, Myanmar, Thailand, Vietnam

India: Arunachal Pradesh, Manipur, Nagaland, Meghalaya.

6. Habit and Habitat: Herb. Tropical and subtropical forests, scattered in moist areas.

7. Economic Importance:

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s): $x=5^7$

10. Zygotic chromosome number(s): $2n=10^{1,4,5} 11^4 12^{2,4,6,7,8} 48^9$

11. Gametic chromosome number(s): $n=5^1 6^{2,3}$

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

13. Ploidy level: Diploid⁶

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 at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: