

Species Data Sheet

Datasheet No. A-078.007.001
(family.genus.species)

DBT- Networ

1. Taxon:

Species: *Streptolirion volubile* Edgew.
Subspecies
Variety
Cultivar
Hybrid
Image file

2. Synonyms: [*Streptolirion cordifolium* Kuntze](#), [*S. duclouxii* H.Lev. & Vaniot](#), [*S. lineare* Fukuoka & N. Kurosaki](#), [*S. mairei* H.Lev.](#), [*S. volubile* subsp. *subalpinum* C.Y.Wu](#), [*S. volubile* subsp. *volubile*](#), [*Tradescantia cordifolia* Griff.](#)

3. 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.
- Species: *S. volubile* Edgew.

Bentham and Hooker (1862)

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

4. Distribution:

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

India: Arunachal Pradesh, Manipur, Nagaland, Meghalaya.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb. Tropical and subtropical forests, scattered in moist areas. 1000-3000m

8. Life Form: Chamaephytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

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

13. Zygotic chromosome number(s): $2n=10^{1,4,5}11^412^{2,4,6,7,8}48^9$

14. Gametic chromosome number(s): $n=5^16^{2,3}$

15. Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid⁶

Image file

17. Agametoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype: Mostly Metacentric and Sub-telocentric⁶

Chromosome size:

NOR chromosome(s): 2NOR⁶

Degree of asymmetry: Symmetrical

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:

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):