

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-087.004.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Stachyphrynium spicatum* (Roxb.) K. Schum

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Halopegia cadelliana* (King ex Baker) K.Schum., *Maranta caespitosa* A.Dietr., *M. spicata* Thwaites, *Phrynium cadellianum* King ex Baker, *P. spicatum* Roxb., *P. zeylanicum* Benth., *Phyllodes spicata* (Roxb.) Kuntze, *Stachyphrynium cadellianum* (King ex Baker) N.P.Balacr., *S. mekongense* Gagnep., *S. sinense* H.Li, *S. tetranthum* K.Larsen, *S. zeylanicum* (Benth.) K.Schum

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Zingiberales Griseb.
- Family: Marantaceae R.Br.
- Genus: *Stachyphrynium* K.Schum.
- Species: *S. spicatum* (Roxb.) K. Schum

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Scitamineae
Genus: *Stachyphrynium* K.Schum
Species: *S. spicatum* (Roxb.) K. Schum

4. Distribution:

Global: India

India: Southern Western Ghats

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

6. Threat Status:

IUCN: Least concern

BSI

7. Habit and Habitat: Herb; moist deciduous and semi-evergreen forests

8. Life Form:

9. Economic Importance: Used in folk medicine

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

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

Chromosome size

NOR chromosome(s)

Degree of asymmetry:

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 (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):