

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-097.001.026
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Juncus prismatocarpus* R.Br.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Juncus prismatocarpus* var. *genuinus* Buchenau

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Poales Small
- Family: Juncaceae Juss.
- Genus: *Juncus* L.
- Species: *J. prismatocarpus* R.Br.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Calycineae
- Ordo: Juncaceae Juss.
- Genus: *Juncus* L.
- Species: *J. prismatocarpus* R.Br.

4. Distribution:

Global: Amur, Bangladesh, Cambodia, China, Hainan, India, Japan, Jawa, Kamchatka, Khabarovsk, Korea, Kuril Island, Laos, Malaya, Maluku, Manchuria, Mongolia, Myanmar, Nansei-shoto, Nepal, New Guinea, New South Wales, New Zealand, Philippines, Queensland, South Australia, Sri Lanka, Sumatera, Taiwan, Tasmania, Thailand, Victoria, Vietnam

India: Arunachal Pradesh, Assam, Himachal Pradesh, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Nagaland, Odisha, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal

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

6. Threat Status:

IUCN: Least concern

BSI:

7. Habit and Habitat: Rhizomatous herb; grows in swamps and peat bogs as well as in wet grasslands and stream sides

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): $n=22^{38}$; $n=38^{38}$

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 (Aponixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):