

Datasheet No. A-097.001.034
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Juncus wallichianus* Laharpe

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Juncus auritus* K.F.Wu, *J. indicus* D.Don, *J. koidzumii* Satake, *J. leschenaultii* var. *unitubulosus* (Buchenau) Novikov, *J. monticola* Steud., *J. nikkoensis* var. *pinifolius* Satake, *J. ohwianus* M.T.Kao, *J. prismatocarpus* subsp. *teretifolius* K.F.Wu, *J. pseudokrameri* Satake, *J. sphaerocephalus* K.F.Wu, *J. yanshamuensis* Novikov

3. Systematic Position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

4. Distribution:

Global: India, Bangladesh, China, Hainan, India, Inner Mongolia, Japan, Jawa, Korea, Laos, Manchuria, Myanmar, Nansei-shoto Nepal, New Guinea, Primorye, Sakhalin, Sri Lanka, Sumatera, Taiwan, Thailand, Vietnam

India: Arunachal Pradesh, Assam, Meghalaya, Sikkim, Tamil Nadu, West Bengal

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

6. Threat Status:

IUCN: Least concern

BSI:

7. Habit and Habitat: Rhizomatous herb; wetlands, including artificially-constructed wetlands (e.g., ditches)

8. Life Form:

9. Economic Importance: The stems and leaves are used for paper making and knitting

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