

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-035.001.002
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species: *Triglochin palustris* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Abbotia palustris* Raf., *A. pumila* Raf., *Juncago palustris* (L.) Moench, *Triglochin andina* Phil., *T. asiatica* var. *komarovii* (Lipsch. & V.N.Pavlov) Tzvelev, *T. chilensis* Meyen, *T. crassiculmis* (Tzvelev) Prob., *T. fonticola* Phil., *T. himalensis* Royle, *T. juncea* Gilib., *T. komarovii* Lipsch. & Pavlov, *T. palustris* f. *fernaldiana* J.Rousseau, *T. palustris* f. *palustris*, *T. palustris* var. *crassiculmis* Tzvelev, *T. palustris* var. *salina* Mert. & W.D.J.Koch, *Tristemon palustris* Raf.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Juncaginaceae Rich.
- Genus: *Triglochin* L.
- Species: *T. palustris* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Alismaceae
Genus: *Triglochin* L.
Species: *T. palustris* L.

4. Distribution:

Global: Afghanistan, Alaska, Albania, Alberta, Aleutian Island, Algeria, Altay, Amur, Argentina, Arizona, Austria, Baltic States, Belarus, Belgium, Bolivia, British Columbia, Bulgaria, Buryatiya, California, Central European Rus, Chile, Chita, Colorado, Czechoslovakia, Denmark, East European Russia, Finland, France, Føroyar, Germany, Great Britain, Greece, Greenland, Hungary, Iceland, Idaho, Illinois, India, Inner Mongolia, Iowa, Iran, Iraq, Ireland, Irkutsk, Italy, Japan, Kamchatka, Kazakhstan, Khabarovsk, Kirgizstan, Korea, Krasnoyarsk, Krym, Kuril Island, Labrador, Magadan, Maine, Manchuria, Manitoba, Michigan, Minnesota, Mongolia, Montana, Morocco, Nebraska, Nepal, Netherlands, Nevada, New Brunswick, New Hampshire, New Mexico, New York, New Zealand, North Caucasus, North Dakota, North European Russi, Northwest European R, Northwest Territorie, Norway, Nova Scotia, Nunavut, Ohio, Ontario, Oregon, Pakistan, Palestine, Pennsylvania, Poland, Primorye, Prince Edward I., Qinghai, Québec, Rhode I., Romania, Sakhalin, Saskatchewan, South Dakota, South European Russi, Spain, Sweden, Switzerland, Tadzhikistan, Tibet, Transcaucasus, Turkey, Turkmenistan, Tuva, Ukraine,

Utah, Uzbekistan, Washington, West Siberia, Wisconsin, Wyoming, Xinjiang, Yakutskiya, Yugoslavia, Yukon

India: Himalaya

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

6. Threat Status:

IUCN: Least concern

BSI

7. Habit and Habitat: Aquatic herb; damp grassland usually on calcareous soils, fens and meadows

8. Life Form:

9. Economic Importance: Harvested from the wild for local use as a food, used in folk medicine

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=24^{4,14,15,16,17,18}$; $2n=26^{19}$; $2n=28^{20}$

14. Gametic chromosome number(s): $n=12^{21}$

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, aneusomaty, polysomaty):

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