

Species Datasheet

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Datasheet No. G-011.007.008
(family.genus.species)

1.Taxon:

Species:*Juniperuspseudosabina*Fisch. &C.A.Mey.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms:*Juniperus centrasiatica* Kom.,*J. dumosa* Lindl. & Gordon, *J. lycia* Siev.,*J. pseudosabina* var. *pseudosabina*, *J. pseudosabina* var. *turkestanica* (Kom.) Silba, *J. sabina* Pall.,*J. turkestanica* Kom., *Sabina centrasiatica* (Kom.) W.C.Cheng&L.K.Fu, *S. centrasiatica* (Kom.)Kom.,*S. fischeri* Antoine,*S. pseudosabina* (Fisch. &C.A.Mey.)W.C.Cheng&W.T.Wang, *S. pseudosabina* var. *turkestanica* (Kom.) Chang Y.Yang, *S. turkestanica* Kom.

3. Systematic Position:

Christenhuszet al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: PinidaeCronquist
- Order: Cupressales Link
- Family:Cupressaceae Gray
- Genus: *Juniperus*L.
- Species: *J. pseudosabina*Fisch. & C.A. Mey.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Coniferae

Tribus: Cupressineae

Genus: *Juniperus*L.

Species: *J. pseudosabina*Fisch. & C.A. Mey.

4.Distribution:

Global:Native to the mountains of central Asia in North Pakistan, western Himalayas in India, North Afghanistan, Tajikistan, Kyrgyzstan, East Kazakhstan, western China,western Mongolia and southcentral Russia, Uzbekistan

India: Jammu & Kashmir, Uttarakhand, Sikkim, Western Himalayas Kashmir to Kumaon

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

6.Threat Status:

IUCN:Least concern

BSI:

7.Habit and Habitat:Evergreen Shrub or small tree (1-10 m tall), the altitudinal range is from 1,950 m to 4,100 m a.s.l. It is often restricted to rocky outcrops and S-facing slopes, especially in forests, and occurs on various rock types and soil types from coarse gravel terraces to dry S-exposed loess slopes.

8.LifeForm:Phanerophytes

9.Economic Importance:Source of fuel, ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=11^{7, 12, 14}$

13. Zygotic chromosome number(s): $2n=22^{12, 14}$

14. Gametic chromosome number(s): $n=$

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

Image file

16.Ploidylevel:Diploid^{12,14}

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:^{12, 14}

KaryotypeMedian and submedian^{12, 14}

Chromosome sizeLarge^{12, 14}

NOR chromosome(s)

Degree of asymmetrySymmetrical^{12, 14}

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; Translocation etc.):