

Species Datasheet

Datasheet No. A-403.002.003
(family.genus.species)

DBT-1

1. Taxon:

Species: *Achilleasetacea* Waldst. & Kit.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:** *Achillea aromatica* Velen., *A. capillaris* Poir., *A. collina* Schur ex Nyman, *A. dolopica* Freyn & Sint., *A. fililoba* Freyn, *A. kummerleana* Prodan, *A. millefolium* subsp. *setacea* (Waldst. & Kit.) Celak., *A. millefolium* var. *setacea* (W.K.) W.D.J.Koch, *A. multifida* Spruner ex Nyman, *A. odorata* Wulfen, *A. polyphylla* Schleich. ex W.D.J.Koch, *A. salina* Schur, *A. setacea* var. *brevifolia* Rochel, *A. setacea* subsp. *dolopica* Freyn & Sint., *A. setacea* var. *salina* Schur

3. Systematic Position:

- APG IV (2016)**
- Kingdom: Plantae
 - Clade: Angiosperms
 - Clade: Eudicots
 - Clade: Superasterids
 - Clade: Asterids
 - Order: Asterales Link
 - Family: Asteraceae Bercht. & J. Presl
 - Genus: *Achillea* L.
 - Species: *A. setacea* Waldst. & Kit.

- Bentham and Hooker (1862)**
- Kingdom: Plantae
 - Division: Phanerogamia
 - Class: Dicotyledons
 - Subclass: Gamopetalae
 - Series: Inferae
 - Cohors: Asterales Link
 - Ordo: Compositae Giseke
 - Genus: *Achillea* L.
 - Species: *A. setacea* Waldst. & Kit.

4. Distribution:

Global: China, Kazakhstan, Mongolia, Pakistan, Russian Federation

India: Cultivated

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Perennial herb. Found in wastelands, forest margins, grasslands on mountain slopes, river valleys.

8. Life Form: Chamaephytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=9$ ¹

13. Zygotic chromosome number(s): $2n=18$ ^{1,27}, $2n=36$ ²⁸

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid^{1,27}

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17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:¹

Karyotype Majority metacentric chromosomes

Chromosome size

NOR chromosome(s)

Degree of asymmetry Symmetrical

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.):