Final Species Datasheet

-	Datasheet No. G-006.001.007 (family.genus.species)
1.Taxon:	
Species: <i>Ephedra sinica</i> Stapf Subspecies: Variety: Cultivar: Hybrid:	
Image file	
2. Synonyms: <u>Ephedra flava F.P.Sm.</u> , E. ma-huang Tang S.L.	iu
 3. Systematic Position: Christenhuszet al. (2011) Class: Equisetopsida C. Agardh Subclass: GnetidaePax Order: EphedralesDumort. Family:EphedraceaeDumort. Genus: Ephedra L. Species: E. sinicaStapf 	Bentham and Hooker (1862) Kingdom: Plantae Division: Phanerogamia Class: Gymnospermeae Ordo: Gnetaceae Blume Genus: <i>Ephedra</i> L. Species: <i>E. sinica</i> Stapf
4.Distribution:	
Global: Central Asia, distributed in south Siberia, Mo	ongolia & China
India:	
5.Indigenous/Exotic/Endemic;Cultivated/Wild:	
6.Threat Status:	
IUCN: Least concern	
BSI:	
	n a.s.l, found in arid areas and highlands, occurring on slopes, dry the Russian Federation it is found in Stipa steppe habitat and

9.Economic Importance: The stems of most members of this genus contain the alkaloid ephedrine and are valuable in the treatment of asthma and many other complaints of the respiratory system, and used in Chinese herbal medicine for thousands of years as a treatment for various ailments.

8.Life Form:Phanerophytes

10. Probable Progenitor of:
11.DNA C-valueMethodology
12.Basic chromosome number(s):x=7 ^{7, 13}
13. Zygotic chromosome number(s):2n=28 ¹⁷
14. Gametic chromosome number(s):n=14 (pollen mitosis) 13
15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene
chromosomes/Neocentric chromosomes):
Image file
16.Ploidy level: Tetraploid 13, 17
Image file
17.Agametoploidy:
18. Nature of polyploidy (auto, segmental, allo, autoallo): Allotetraploid 17
19.Genomic formula:
20. Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):
21. Somatic chromosomes: 13
Karyotype Mediansubmedian and terminal chromosomes ¹³
Chromosome sizeLarge ¹³
NOR chromosome(s)
Degree of asymmetry Asymmetrical 13
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 ^{5, 8}
29.Any other information (Apomixis; Inversion; Male sterility;Pollen grain mitosis; Pollen stainability;Translocationsetc):