

**a new haploid oenothera, with some considerations on ...** - a new haploid oenothera, with some considerations on haploidy in plants and ... it proved to have 7 chromosomes, it presumably came from the de- **and genetics of a haploid oenothera franciscana'** - new plants from tabacum var. cuba. ... dwarf plant of matthiola having the haploid set of normal chromosomes and ... our paper adds to the list the first haploid oenothera **x-ray treatment of oenothera chromosomes - springer** - x-ray treatment of oenothera chromosomes by ... x-rays it was hoped that new genes and ... concerning the construction of the chromosomes of the haploid ... **68 cytologia 4 - jstage.jst.go** - 1932 the chromosomes of a new haploid oenothera 69 different from that of the sporophyte. the 'dependent' sporophyte of the bryophytes, and of the ... **on the distribution of mutant characters among ... - esp** - on the distribution of mutant characters among the chromosomes of ... delata and sublinearis are new ... view of the seven haploid chromosomes in oenothera ... **on the distribution of oenothera lamarckiana** - the chromosomes of oenothera lamarckiana ... view of the seven haploid chromosomes in oenothera ... three new mutations in oenothera lamarckiana. **investigation of interspecific genome-plastome ...** - investigation of interspecific genome-plastome incompatibility in oenothera and passiflora ... 1.1 oenothera - an ideal system ... a new model plant for genome-plastome **translocations of chromosome end-segments and facultative ...** - facultative heterochromatin promote meiotic ring ... on oenothera chromosomes. ... end-segments and facultative heterochromatin promote meiotic ... **supplemental table 1. combinations of crossing parents ...** - combinations of crossing parents generating haploid progeny or partial chromosome elimination species . female . male : retained genome . hybrid states embryo culture **fitness consequences of occasional outcrossing in a ...** - fitness consequences of occasional outcrossing in a functionally asexual plant (oenothera biennis) john l. maron, 1,4 marc t. j. johnson,2 amy p. h astings,3 and ... **meiosis in a rhamoid oenothera. (botany dept., university ...** - i[46 meiosis i~?, a (l'~'ploicid oenothera, other workers, in contrast to these two, find no paired chromosomes at all (gates, 1909, 191.5; 1923; hs ... **supplemental data. golczyk et al. (2014). plant cell 10 ...** - supplemental data. golczyk et al. ... since the haploid set in oenothera consists of seven chromosomes, ... the two new chromosomes of the renner complex a ... **blackwell publishing ltd permanent genetic resources ...** - isolation and characterization of polymorphic microsatellite ... is composed of two haploid sets of seven chromosomes ... new york and stored at ... **278 cytologia 5 - jstage.jst.go** - tional haploids from n. tabacum var. purpurea and two new plants ... having the haploid set of normal chromosomes ... a haploid oenothera ... **chromosome biology, genome evolution, and speciation - ipk** - chromosome biology, genome evolution, and speciation . ... in the evening primrose oenothera, ... of uniparental chromosomes leads to the formation of haploid **effects of plant sex on range distributions and allocation ...** - effects of plant sex on range distributions and allocation to reproduction ... new phytologist ... such that one haploid set of chromosomes always segregates together ... **3d g. c. harte oenothera - gbv** - berlin heidelberg new york london paris tokyo ... 4.2.7 chromosomes and translocations, or: ... 6.4 developmental biology of the haploid generation 177 **non-mendelian single-nucleotide polymorphism inheritance ...** - promise of still greater contributions as a result of new ... oenothera, viscum, ... heteromorphic sex chromosomes and occasional meiotic **monographs on theoretical and applied genetics 20** - ings of chromosomes and to those colleagues who provided original photographs or ... oenothera specialities ... developmental biology of the haploid generation ... **a de termination of the frequency of aneuploidy in** - hamster is composed of 22 chromosomes, four of which are very large ... 2n refers to the diploid chromosome number while the haploid number is n. ... **loss of sexual recombination and segregation is associated ...** - increased diversification in evening primroses ... the onagreae is a new world ... and segregation is associated with increased diversification in evening ... **chapter 15 haploidy, diploidy, and polyploidy** - 246 haploidy, diploidy, and polyploidy had not engaged in fertilization. with such postpollination spray treatment, 282 maternal haploid seedlings were scored from ... **manipulation of the genetic system - rd.springer** - ment and crossing-over between homologous chromosomes, ... capable of forming new haploid male and female gametes. ... oenothera, rhoeo ... **geographic variation of sex-linked translocation ...** - chromosoma (bed.) 82, 65-88 (1981) chromosoma 9 springer-verlag 1981 geographic variation of sex-linked translocation heterozygosity **chromosomal aberrations - 123seminaronly** - they are the visible changes in the structure of chromosomes, ... -the presence of same block of genes more than once in a haploid ... oenothera, maize . **no evidence that sex and transposable elements drive ...** - reproduction provides a way for tes to spread to new ... in this study we focus

on the oenothera ... disjunction results in one haploid set of chromosomes ... **monographs on theoretical and applied genetics 20** - c. harte oenothera contributions of a plant to biology with 30 figures, 3 color plates, and 2 tables springer-verlag berlin heidelberg new york **theoretical basis of** **mutagenesis - rd.springer** - his studies with the plant oenothera (for definitions, ... chromosomes of the phage t2 and t4 are longer than one complete . ... haploid chromosomes sets. **pqirs - proceedings of the national academy of sciences** - the behavior of interchange heterozygotes in oenothera ... the chromosomes following structural change, ... establish two pairs of new translocated segments each time ... **loss of sexual recombination and segregation is associated ...** - and segregation is associated with increased diversification in evening ... of 14 chromosomes ( $x = n = 7$ ) ... a balanced lethal mortality of haploid gametes, ... **genetics - electronics hobby** - haploid set of chromosomes in a cell. ... observed by hugo de vries in oenothera lamarkiana ... daughter dna are formed each having a new and old strands. **international journal of plant breeding** **2007 global ...** - international journal of plant breeding **2007 global science books** ... mal tetrad and 4 haploid pollen. ... oenothera lamarkiana and amphidiploid hybrids in nico-  **david t. stuart editor meiosis - rd.springer** - the relatively large chromosomes of some organisms like the evening prim - rose oenothera biennis and the ... to characterize the haploid products of meiosis ... **charlesworth 68 1. - f1000researchdata.s3amazonaws** - and oenothera [7], ... incompatibility type of the haploid pollen grains is ... ing how new combinations (alleles with new incompat- **86 botanical gazette [january - journals.uchicago** - side-by-side conjugation of somatic chromosomes, ... cytology of mutants.-some of the cytological aspects of the oenothera ... the union of a diploid with a haploid ... **plant development: attractive ovules david r. smyth** - at this point the two haploid sperm cells at the tip of ... have their chromosomes **congealed** into ... several recent studies have now revealed new aspects of **the 7 sexes - muse.jhu** - chromosomes the idea of the continuity of chromosomes arose among german cytologists in the 1880s. at that time, many american biologists would get their **cotton {gossypittm barbadense, var. inaritima.** - chromosome numbers of old and new world ... but no haploid material available. chromosomes counted in root-tip. ... oenothera and other species. **research article tertiary trisomics in  $2n = 12$  coix taxon** - new taxon of coix with  $2n = 12$  chromosome number and also from the selfed progenies of the chromosomal variants ... chromosomes involved, the length of the duplicated **current literature - journals.uchicago** - mutations were first "discovered" by de vries in oenothera ... of the chromosomes. ... since only one new individual of the new type appears in a progeny. **sample copy. not for distribution. - book publishing house** - rz 94, sector - 6, dwarka, new delhi - 110075 shubham vihar, mangla, ... hybrids in oenothera ... in case of idiogram haploid set of chromosomes are arranged **non-mendelian snp inheritance and atypical meiotic ...** - humanity, with the promise of still greater contributions as a result of new commercial values and invigorated research in two members, humulus lupulus ... **(received january 30, 1964) allium triquetrum : 1 i** - some theoretical aspects of selective segregation in interchange complexes by ... species in new zealand, a ... chain of four chromosomes. 1 2 2 ... **plant sex and the evolution of plant defenses against ...** - plant sex and the evolution of plant defenses against herbivores ... tive evolution of plant defenses against arthropod ... chromosomes form a complete ring with ... **utation - genetics.wustl** - effectively haploid. both were used in early work, and special methods ... increase in the rate of occurrence of new lethals with an increase in tem- **14. induced mutation in plant breeding: current status and ...** - new types of chromosomes; 3. at genome level (genomic mutation), such as addition or loss of a single chro ...

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