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morphological trait evolution in solanum solanaceae exploiting the diversity of tomato the development of a varietal variation and chromosome behaviour during meiosis in super pangenome analyses highlight genomic diversity and genetic and bioclimatic variation in solanum pimpinellifolium exploring genetic variation in the tomato solanum section pangenome analyses reveal impact of transposable pnas exploring genetic variation in the tomato solanum section varietal variation and chromosome behaviour during meiosis in morphological characterization of trichomes shows enormous solanum aculeatissimum and solanum torvum chloroplast genome genome reduction uncovers a large dispensable genome and deep learning the cis regulatory code for gene expression in field screening for variation of drought tolerance in solanum nparks solanum trilobatum national parks board nparks solanum muricatum national parks board 4 the plant diversity of singapore national parks board exploring genetic variation in the tomato solanum section solanum americanum genome assisted discovery of immune

morphological trait evolution in solanum solanaceae

Mar 26 2024

variation in corolla shape in solanum depends on the amount of interpetalar tissue present between lobes and changes seem frequent throughout the genus highlighting the need to explore pollinator linked trait variation in buzz pollinated plant groups

exploiting the diversity of tomato the development of a

Feb 25 2024

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super pangenome analyses highlight genomic diversity and

Dec 23 2023

open access published 06 april 2023 super pangenome analyses highlight genomic diversity and structural variation across wild and cultivated tomato species ning li qiang he juan wang baike

genetic and bioclimatic variation in solanum pimpinellifolium

Nov 22 2023

the genetic variation structure of peruvian s pimpinellifolium has been studied with allozymes rick et al 1977 1978 nuclear dna gene sequences caicedo and schall 2004 and microsatellites sifres et al 2007

exploring genetic variation in the tomato solanum section

Oct 21 2023

exploring genetic variation in the tomato solanum section lycopersicon clade by whole genome sequencing this is the pre peer reviewed version of the following article the plant journal 80 1 2014 136 148 which has been published in final form at doi.org/10.1111/tpj.12616 the 100 tomato genome sequencing consortium

pangenome analyses reveal impact of transposable pnas

Sep 20 2023

the highest diversity of wild species of solanum section petota is found in high elevation cold adapted montane habitats in central mexico and central andes 2 4 and cultivated species and their landraces are derived from western venezuela to southern chile with the center of origin at lake titicaca which straddles peru and bolivia 5

exploring genetic variation in the tomato solanum section

Aug 19 2023

exploring genetic variation in the tomato solanum section lycopersicon clade by whole genome sequencing genetic variation in the tomato clade was explored by sequencing a selection of 84 tomato accessions and related wild species representative for the lycopersicon arcanum eriopersicon and neolycopersicon groups

varietal variation and chromosome behaviour during meiosis in

Jul 18 2023

naturally occurring autopolyploid species such as the autotetraploid potato solanum tuberosum face a variety of challenges during meiosis these include proper pairing recombination and correct segregation of multiple homologous chromosomes which can form complex multivalent configurations at metaphase i and in turn alter allelic

morphological characterization of trichomes shows enormous

Jun 17 2023

morphological characterization of trichomes shows enormous variation in shape density and dimensions across the leaves of 14 solanum species sakshi watts rupesh kariyat aob plants volume 13 issue 6 december 2021 plab071 doi org 10 1093 aobpla plab071 published 02 november 2021 article history pdf split view cite

solanum aculeatissimum and solanum torvum chloroplast genome

May 16 2023

background solanum aculeatissimum and solanum torvum belong to the solanum species and they are essential plants known for their high resistance to diseases and adverse conditions they are frequently used as rootstocks for grafting and are often crossbred with other solanum species to leverage their resistance traits however the phylogenetic relationship between s aculeatissimum and s

genome reduction uncovers a large dispensable genome and

Apr 15 2023

to investigate this possibility we examined the breadth of genome wide structural variation in a panel of monoploid doubled monoploid clones generated from native populations of diploid potato *solanum tuberosum* a highly heterozygous asexually propagated plant

deep learning the cis regulatory code for gene expression in

Mar 14 2023

we tested the occurrence of epm variation states conserved or mutated across the 15 *solanum* genotypes coinciding with predicted shifts between low and high levels of gene expression the

field screening for variation of drought tolerance in *solanum*

Feb 13 2023

variation for drought tolerance was illustrated by clone dependent differences in tuber yield and yield loss under drought conditions neither changes in stomatal conductance nor maximum quantum yield of chlorophyll fluorescence were quantitatively associated with yield or yield loss under drought

nparks *solanum trilobatum* national parks board

Jan 12 2023

description and ethnobotany shiny green leaves are ovate to triangular with an irregular undulate leaf margin the stem is lined with yellow spines which are long and hooked purple star shaped flowers are arranged singly or in pairs in the leaf axils small round berries are initially dark green turning white and then purplish black at

nparks *solanum muricatum* national parks board

Dec 11 2022

description and ethnobotany growth form perennial herb with a branching growth habit it is usually grown as a biennial because fruit quality decreases with time ethnobotanical uses edible plant parts edible fruits food fruit vegetable the slightly sweet fruit is often eaten raw it contains few nutrients but is consumed as a

4 the plant diversity of singapore national parks board

Nov 10 2022

39 plant diversity wong ganesan the indefatigable h n ridley the foremost collector and writer on the botany of the malay

peninsula came to singapore

exploring genetic variation in the tomato solanum section

Oct 09 2022

we explored genetic variation by sequencing a selection of 84 tomato accessions and related wild species representative of the lycopersicon arcanum eriopersicon and neolycopersicon groups which has yielded a huge amount of precious data on sequence diversity in the tomato clade three new reference genomes were

solanum americanum genome assisted discovery of immune

Sep 08 2022

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