

The chloroplast view of the evolution of polyploid whea

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Origin and Evolution of Wheat and Related Triticeae Species. , 2015, , 21-76.		50
2	Intraspecific lineage divergence and its association with reproductive trait change during species range expansion in central Eurasian wild wheat <i>Aegilops tauschii</i> Coss. (Poaceae). BMC Evolutionary Biology, 2015, 15, 213.	3.2	34
3	A reevaluation of the homoploid hybrid origin of <i>Aegilops tauschii</i> , the donor of the wheat D-subgenome. New Phytologist, 2015, 208, 4-8.	7.3	43
4	Plastid phylogenomics of the cool-season grass subfamily: clarification of relationships among early-diverging tribes. AoB PLANTS, 2015, 7, plv046.	2.3	68
5	Genetic and epigenetic modifications to the BBAA component of common wheat during its evolutionary history at the hexaploid level. Plant Molecular Biology, 2015, 88, 53-64.	3.9	13
6	Alien Introgression in Wheat. , 2015, , .		55
7	Recurrence of Chromosome Rearrangements and Reuse of DNA Breakpoints in the Evolution of the Triticeae Genomes. G3: Genes, Genomes, Genetics, 2016, 6, 3837-3847.	1.8	28
8	Molecular evolution of Wcor15 gene enhanced our understanding of the origin of A, B and D genomes in <i>Triticum aestivum</i> . Scientific Reports, 2016, 6, 31706.	3.3	4
9	Genome-wide characterization of microsatellites in Triticeae species: abundance, distribution and evolution. Scientific Reports, 2016, 6, 32224.	3.3	30
10	Molecular cytogenetic characterization of <i>Triticum timopheevii</i> chromosomes provides new insight on genome evolution of <i>T. zhukovskyi</i> . Plant Systematics and Evolution, 2016, 302, 943-956.	0.9	33
11	Transcriptome shock invokes disruption of parental expression-conserved genes in tetraploid wheat. Scientific Reports, 2016, 6, 26363.	3.3	23
12	Transcriptome asymmetry in synthetic and natural allotetraploid wheats, revealed by RNA-seq. New Phytologist, 2016, 209, 1264-1277.	7.3	63
13	Complete chloroplast genomes of <i>Aegilops tauschii</i> Coss. and <i>Ae. cylindrica</i> Host sheds light on plasmon D evolution. Current Genetics, 2016, 62, 791-798.	1.7	18
14	Revisiting Pivotal-Differential Genome Evolution in Wheat. Trends in Plant Science, 2017, 22, 674-684.	8.8	32
15	Dated tribe-wide whole chloroplast genome phylogeny indicates recurrent hybridizations within Triticeae. BMC Evolutionary Biology, 2017, 17, 141.	3.2	78
16	Genomic history of the origin and domestication of common bean unveils its closest sister species. Genome Biology, 2017, 18, 60.	8.8	142
17	A High-Density Genetic Map of Wild Emmer Wheat from the Karaca Dağ Region Provides New Evidence on the Structure and Evolution of Wheat Chromosomes. Frontiers in Plant Science, 2017, 8, 1798.	3.6	33
18	Identification and Analysis of RNA Editing Sites in the Chloroplast Transcripts of <i>Aegilops tauschii</i> L.. Genes, 2017, 8, 13.	2.4	34

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19	Identification and characterisation of RNA editing sites in chloroplast transcripts of einkorn wheat (<i>Triticum monococcum</i>). <i>Annals of Applied Biology</i> , 2018, 172, 197-207.	2.5	16
20	Asymmetrical changes of gene expression, small RNA and chromatin in two resynthesized wheat allotetraploids. <i>Plant Journal</i> , 2018, 93, 828-842.	5.7	40
21	The complete chloroplast genome sequence of <i>Pseudoroegneria libanotica</i> , genomic features, and phylogenetic relationship with Triticeae species. <i>Biologia Plantarum</i> , 2018, 62, 231-240.	1.9	4
22	Complete structure and variation of the chloroplast genome of <i>Agropyron cristatum</i> (L.) Gaertn. <i>Gene</i> , 2018, 640, 86-96.	2.2	10
23	DARtseq-based analysis of genomic relationships among species of tribe Triticeae. <i>Scientific Reports</i> , 2018, 8, 16397.	3.3	101
24	Evolution of the S-Genomes in Triticum-Aegilops Alliance: Evidences From Chromosome Analysis. <i>Frontiers in Plant Science</i> , 2018, 9, 1756.	3.6	46
25	Structural variation and rates of genome evolution in the grass family seen through comparison of sequences of genomes greatly differing in size. <i>Plant Journal</i> , 2018, 95, 487-503.	5.7	31
26	Wheat genetic resources in the post-genomics era: promise and challenges. <i>Annals of Botany</i> , 2018, 121, 603-616.	2.9	101
27	Complete chloroplast DNA sequences of Georgian indigenous polyploid wheats (<i>Triticum</i> spp.) and B plasmon evolution. <i>Genetic Resources and Crop Evolution</i> , 2018, 65, 1995-2002.	1.6	6
28	The Effect of Chromosome Structure upon Meiotic Homologous and Homoeologous Recombinations in Triticeae. <i>Agronomy</i> , 2019, 9, 552.	3.0	11
29	Pervasive hybridizations in the history of wheat relatives. <i>Science Advances</i> , 2019, 5, eaav9188.	10.3	79
30	A discriminatory test for the wheat B and G genomes reveals misclassified accessions of <i>Triticum timopheevii</i> and <i>Triticum turgidum</i> . <i>PLoS ONE</i> , 2019, 14, e0215175.	2.5	11
31	Experimental evolutionary studies on the genetic autonomy of the cytoplasmic genome of the wheat-Aegilops complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3082-3090.	7.1	5
32	Divergence between bread wheat and <i>Triticum militinae</i> in the powdery mildew resistance QPm.tut-4A locus and its implications for cloning of the resistance gene. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1061-1072.	3.6	11
33	Cytosuclear Coevolution following Homoploid Hybrid Speciation in <i>Aegilops tauschii</i> . <i>Molecular Biology and Evolution</i> , 2019, 36, 341-349.	8.9	22
34	Comparison of the cytoplasmic genomes by resequencing: insights into the genetic diversity and the phylogeny of the agriculturally important genus <i>Brassica</i> . <i>BMC Genomics</i> , 2020, 21, 480.	2.8	16
35	Genotyping-by-Sequencing Derived Single Nucleotide Polymorphisms Provide the First Well-Resolved Phylogeny for the Genus <i>Triticum</i> (Poaceae). <i>Frontiers in Plant Science</i> , 2020, 11, 688.	3.6	16
36	Homoeologous exchanges occur through intragenic recombination generating novel transcripts and proteins in wheat and other polyploids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14561-14571.	7.1	55

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37	Analysis of population structure and origin in <i>Aegilops tauschii</i> Coss. from China through SNP markers. <i>Genetic Resources and Crop Evolution</i> , 2020, 67, 923-934.	1.6	5
38	Multiregional origins of the domesticated tetraploid wheats. <i>PLoS ONE</i> , 2020, 15, e0227148.	2.5	27
39	Differentiating homoploid hybridization from ancestral subdivision in evaluating the origin of the D lineage in wheat. <i>New Phytologist</i> , 2020, 228, 409-414.	7.3	8
40	Evolutionary patterns of plastome uncover diploid-polyploid maternal relationships in Triticeae. <i>Molecular Phylogenetics and Evolution</i> , 2020, 149, 106838.	2.7	18
41	The Impact of Polyploidization on the Evolution of Weed Species: Historical Understanding and Current Limitations. <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	16
42	Chromosome and Molecular Analyses Reveal Significant Karyotype Diversity and Provide New Evidence on the Origin of <i>Aegilops columnaris</i> . <i>Plants</i> , 2021, 10, 956.	3.5	3
43	Genetic diversity, distribution and domestication history of the neglected GGAtAt genepool of wheat. <i>Theoretical and Applied Genetics</i> , 2022, 135, 755-776.	3.6	20
45	Characterizing chloroplast genomes and inferring maternal divergence of the <i>Triticum</i> – <i>Aegilops</i> complex. <i>Scientific Reports</i> , 2021, 11, 15363.	3.3	8
47	Chloroplast Phylogenomic Analyses Resolve Multiple Origins of the <i>Kengyilia</i> Species (Poaceae:). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42</i>	3.6	2
48	Analysis of the maternal genome of <i>Elymus nutans</i> from the Qinghai–Tibet Plateau based on chloroplast genomes. <i>Grassland Science</i> , 2022, 68, 114-123.	1.1	2
49	Introducing Beneficial Alleles from Plant Genetic Resources into the Wheat Germplasm. <i>Biology</i> , 2021, 10, 982.	2.8	46
53	The study of organelle DNA variability in alloplasmic barley lines in the NGS era. <i>Vavilovskii Zhurnal Genetiki i Seleksii</i> , 2020, 24, 12-19.	1.1	2
54	A 250 plastome phylogeny of the grass family (Poaceae): topological support under different data partitions. <i>PeerJ</i> , 2018, 6, e4299.	2.0	138
55	The complete chloroplast genomes of seventeen <i>Aegilops tauschii</i> : genome comparative analysis and phylogenetic inference. <i>PeerJ</i> , 2020, 8, e8678.	2.0	16
56	DNA Barcoding for Efficient Identification of <i>Triticum</i> Subspecies: Evaluation of Four Candidate Loci on Phylogenetic Relationships. <i>Plant Breeding and Biotechnology</i> , 2019, 7, 220-228.	0.9	11
61	Genome sequences of five Sitopsis species of <i>Aegilops</i> and the origin of polyploid wheat B subgenome. <i>Molecular Plant</i> , 2022, 15, 488-503.	8.3	84
62	The Plastome Sequences of <i>Triticum sphaerococcum</i> (ABD) and <i>Triticum turgidum</i> subsp. <i>durum</i> (AB) Exhibit Evolutionary Changes, Structural Characterization, Comparative Analysis, Phylogenomics and Time Divergence. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2783.	4.1	5
63	Salinity Tolerance in a Synthetic Allotetraploid Wheat (SISIAA) Is Similar to Its Higher Tolerant Parent <i>Aegilops longissima</i> (SISL) and Linked to Flavonoids Metabolism. <i>Frontiers in Plant Science</i> , 2022, 13, 835498.	3.6	2

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64	Global Patterns of Subgenome Evolution in Organelle-Targeted Genes of Six Allotetraploid Angiosperms. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	17
65	Variation in Plastome Sizes Accompanied by Evolutionary History in Monogenomic Triticeae (Poaceae:) Tj ETQq1 1 0.784314.rgBT /Over	3.6	1
66	Transposable Element Populations Shed Light on the Evolutionary History of Wheat and the Complex Coâ€Evolution of Autonomous and Nonâ€Autonomous Retrotransposons. <i>Genetics & Genomics Next</i> , 2022, 3, .	1.5	12
67	The grain quality of wheat wild relatives in the evolutionary context. <i>Theoretical and Applied Genetics</i> , 2022, 135, 4029-4048.	3.6	13
77	Dissection of Structural Reorganization of Wheat 5B Chromosome Associated With Interspecies Recombination Suppression. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	0
78	A Century of Cytogenetic and Genome Analysis: Impact on Wheat Crop Improvement. , 2022, , 277-297.		1
79	Comparative and Phylogenetic Analysis of Complete Chloroplast Genomes in <i>Leymus</i> (Triticodae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	2
80	Exploring genetic diversity of wild and related tetraploid wheat species <i>Triticum turgidum</i> and <i>Triticum timopheevii</i> . <i>Journal of Advanced Research</i> , 2023, 48, 47-60.	9.5	4
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82	Molecular characterization and evolutionary relationships of avenin-like b gene in <i>Aegilops speltoides</i> . <i>Journal of Cereal Science</i> , 2022, , 103587.	3.7	0
83	Population structure and genetic diversity of <i>Triticum araraticum</i> Jakubz. and <i>Triticum timopheevii</i> Zhuk.. <i>Genetic Resources and Crop Evolution</i> , 2023, 70, 1799-1815.	1.6	1
84	G-SAIP: Graphical Sequence Alignment Through Parallel Programming in the Post-Genomic Era. <i>Evolutionary Bioinformatics</i> , 2023, 19, 117693432211505.	1.2	0
85	Characterizing Agronomic and Shoot Morphological Diversity across 263 Wild Emmer Wheat Accessions. <i>Agriculture (Switzerland)</i> , 2023, 13, 759.	3.1	0
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89	<i>Aegilops</i> L., 2023, , 213-364.		0
90	Genome Structure of Triticeae Species. , 2023, , 43-70.		1

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91	Taxonomy and Evolution of the Tribe Triticeae Dumort. , 2023, , 9-41.		0
92	Evolution of the Allopolyploid Species of the Sub-tribe Triticineae. , 2023, , 555-604.		0
93	Evolution of the Diploid Species of the Sub-tribe Triticineae. , 2023, , 527-554.		0
94	Evolution of Wheat Under Cultivation. , 2023, , 605-663.		0
95	Evolutionary genetics of wheat mitochondrial genomes. Crop Journal, 2023, 11, 1774-1781.	5.2	0
97	Sequencing and analysis of complete chloroplast genomes of einkorn wheats Triticum sinskajae and Triticum monococcum accession k-20970. Genetic Resources and Crop Evolution, 0, , .	1.6	0
98	Identifying novel sources of resistance to wheat stem sawfly in five wild wheat species. Pest Management Science, 0, , .	3.4	0