

发表时间	期刊	文章名称
2021.6	Nature Cell Biology	Global profiling of RNA-binding protein target sites by LACE-seq
2021.3	Cancer Research	Single-cell RNA sequencing reveals the cellular origin and evolution of breast cancer in BRCA1 mutation carriers
2021.3	Theranostics	Single-cell transcriptomic profiling provides insights into the toxic effects of Zearalenone exposure on primordial follicle assembly
2021.3	Theranostics	Single-cell transcriptome dissection of the toxic impact of Di (2-ethylhexyl) phthalate on primordial follicle assembly
2021.3	Molecular Ecology Resources	Construction of a chromosome-level genome and variation map for the Pacific oyster <i>Crassostrea gigas</i>
2021.2	Cell	A route to de novo domestication of wild allotetraploid rice
2021.2	Cell	COVID-19 immune features revealed by a large-scale single cell transcriptome atlas
2021.1	Cell Research	Dissecting human embryonic skeletal stem cell ontogeny by single-cell transcriptomic and functional analyses
2021.1	Genome Biology	Resequencing of global Tartary buckwheat accessions reveals multiple domestication events and key loci associated with agronomic traits
2020.12	Molecular Ecology	A SNP variant located in the cis-regulatory region of the ABCG2 gene is associated with mallard egg color
2020.11	Plant Cell	DEAD-BOX RNA HELICASE 27 Regulates MicroRNA Biogenesis, Zygote Division and Stem Cell Homeostasis
2020.11	Nature	FIS1 encodes a GA2-oxidase that regulates fruit firmness in

	Communications	tomato
2020.11	Frontiers in Genetics	Characterization of a Novel NONO Intronic Mutation in a Fetus with X-Linked Syndromic Mental Retardation-34
2020.11	PNAS	The evolutionary origin and domestication history of goldfish ( <i>Carassius auratus</i> )
2020.10	Nature Communications	Single-cell RNA cap and tail sequencing (scRCAT-seq) reveals subtype-specific isoforms differing in transcript demarcation
2020.9	PNAS	Genetic landscape and autoimmunity of monocytes in developing Vogt-Koyanagi-Harada disease
2020.8	PNAS	DROOPY LEAF1 Controls Leaf Architecture by Orchestrating Early Brassinosteroid Signaling
2020.8	NPJ Genomic Medicine	Identification of a likely pathogenic structural variation in the LAMA1 gene by Bionano optical mapping
2020.8	Protein & Cell	A human circulating immune cell landscape in aging and COVID-19
2020.8	Nature Communication	Single-cell analysis of two severe COVID-19 patients reveals a monocyte-associated and tocilizumab-responding cytokine storm
2020.7	Journal of Hepatology	Single cell transcriptomic architecture and intercellular crosstalk of human intrahepatic cholangiocarcinoma
2020.6	Molecular Biology and Evolution	Comparative genomics reveals evolution of a beak morphology locus in a high-altitude songbird
2020.6	Cell	Pan-genome of wild and cultivated soybeans
2020.6	Gut	Dissecting transcriptional heterogeneity in primary gastric

		adenocarcinoma by single cell RNA sequencing
2020.6	Nature Communications	Whole-genome resequencing of wild and domestic sheep identifies genes associated with morphological and agronomic traits
2020.5	Nature	Deciphering human macrophage development at single-cell resolution
2020.4	Science	Horizontal gene transfer of Fhb7 from fungus underlies Fusarium head blight resistance in wheat
2020.3	Cell Discovery	Immune Cell Profiling of COVID-19 Patients in the Recovery Stage by Single-Cell Sequencing
2020.3	Genome Biology	The genome evolution and domestication of tropical fruit mango
2020.3	Nucleic Acids Research	Histone variant H2A.Z regulates nucleosome unwrapping and CTCF binding in mouse ES cells
2020.2	Science Advances	Multi-omics characterization of molecular features of gastric cancer correlated with response to neoadjuvant chemotherapy
2020.2	Genome Biology	Histone H3K27 acetylation is dispensable for enhancer activity in mouse embryonic stem cells
2020.2	RNA Biology	Identification of alternatively spliced gene isoforms and novel noncoding RNAs by singlemolecule long-read sequencing in Camellia
2019.12	Nature	H2A.Z facilitates licensing and activation of early replication origins
2019.12	Nature Genetics	Resequencing of 683 common bean genotypes identifies yield component trait associations across a north-south cline
2019.11	Cell Research	Genomic landscape and genetic manipulation of the black

		soldier fly <i>Hermetia illucens</i> , a natural waste recycler
2019.11	Molecular Plant	Evolution and domestication footprints uncovered from the genomes of coix
2019.11	Nature Genetics	Resequencing of 414 cultivated and wild watermelon accessions identifies selection for fruit quality traits
2019.10	Molecular Psychiatry	Mutations in <i>ASH1L</i> confer susceptibility to Tourette syndrome
2019.10	Nature Communications	The chromosome-scale reference genome of black pepper provides insight into piperine biosynthesis
2019.10	Ultrasound Obstet Gynecol	The contribution of single-gene defects to congenital cardiac left-sided lesions in the prenatal setting
2019.10	Immunity	Single-cell RNA Sequencing Resolves Spatiotemporal Development of Pre-thymic Lymphoid Progenitors and Thymus Organogenesis in Human Embryos
2019.9	BioRxiv	Chromosome-scale denovo assembly and phasing of a Chinese indigenous pig genome
2019.9	Cell Research	Tracing the first hematopoietic stem cell generation in human embryo by single-cell RNA sequencing
2019.9	Nature Communications	An ancestral NB-LRR with duplicated 3'UTRs confers stripe rust resistance in wheat and barley
2019.9	Plant Biotechnology Journal	Genome sequencing of the Australian wild diploid species <i>Gossypium australe</i> highlights disease resistance and delayed gland morphogenesis
2019.9	Systematic Entomology	The phylogeny of leaf beetles ( <i>Chrysomelidae</i> ) inferred from mitochondrial genomes
2019.8	Nature	Molecular architecture of lineage allocation and tissue

		organization in early mouse embryo
2019.8	Plant Biotechnology Journal	De novo assembly of a wild pear ( <i>Pyrus betuleafolia</i> ) genome
2019.7	Molecular Biology and Evolution	Ghost introgression' as a cause of deep mitochondrial divergence in a bird species complex
2019.7	Molecular Biology and Evolution	EPAS1 Gain-of-Function Mutation Contributes to High Altitude Adaptation in Tibetan Horses
2019.7	Current Genetics	Characterization of the promoter, downstream target genes and recognition DNA sequence of Mhy1, a key filamentation-promoting transcription factor in the dimorphic yeast <i>Yarrowia lipolytica</i>
2019.6	Theoretical and Applied Genetics	The anther-specific CYP704B is potentially responsible for MSG26 male sterility in barley.
2019.6	Plant Biotechnology Journal	Genome-wide quantitative trait loci reveal the genetic basis of cotton fibre quality and yield-related traits in a <i>Gossypium hirsutum</i> recombinant inbred line population
2019.5	Nature Communications	6mA-DNA-binding factor Jumu controls maternal-to-zygotic transition upstream of <i>Zelda</i>
2019.4	Cell Reports	A 3D Atlas of Hematopoietic Stem and Progenitor Cell Expansion by Multi-dimensional RNA-Seq Analysis
2019.4	Journal of Experimental Botany	Maize pentatricopeptide repeat protein DEK41 affects cis-splicing of mitochondrial <i>nad4</i> intron 3 and is required for normal seed development
2019.4	Genome Biology	Whole genomes and transcriptomes reveal adaptation and domestication of pistachio

2019.3	Zoologica Scripta	Diversification of mitogenomes in three sympatric Altica flea beetles (Insecta, Chrysomelidae)
2019.3	Molecular Plant	Sequencing of cultivated peanut, <i>Arachis hypogaea</i> , yields insights into genome evolution and oil improvement
2019.3	Nature Genetics	<i>Gossypium barbadense</i> and <i>Gossypium hirsutum</i> genomes provide insights into the origin and evolution of allotetraploid cotton
2019.3	Nature Communications	<i>Znhit1</i> controls intestinal stem cell maintenance by regulating H2A.Z incorporation
2019.2	Nature Genetics	Lung regeneration by multipotent stem cells residing at the bronchioalveolar duct junction
2019.2	Genes	Co-Expression Network Analysis and Hub Gene Selection for High-Quality Fiber in Upland Cotton ( <i>Gossypium hirsutum</i> ) Using RNA Sequencing Analysis
2019.1	Nature Communications	Chromosome conformation capture resolved near complete genome assembly of broomcorn millet
2018.11	Nature Communications	The disease resistance protein SNC1 represses the biogenesis of microRNAs and phased siRNAs
2018.11	Nature	Stella safeguards the oocyte methylome by preventing de novo methylation mediated by DNMT1
2018.11	Molecular Biology and Evolution	The genome landscape of Tibetan sheep reveals adaptive introgression from argali and the history of early human settlements on the Qinghai-Tibetan Plateau
2018.10	Plant Science	The involvement of cytokinin and nitrogen metabolism in delayed flag leaf senescence in a wheat stay-green mutant, <i>tasgl</i>
2018.10	Plant	High-efficiency genome editing using a <i>dmc1</i> promoter-

	Biotechnology Journal	controlled CRISPR/Cas9 system in maize
2018.10	Molecular Plant	Control of grain size and weight by the OsMKKK10-OsMKK4-OsMAPK6 signaling pathway in rice
2018.10	Nature Communications	The genetic architecture of floral traits in the woody plant <i>Prunus mume</i>
2018.10	Nature Genetics	Resequencing of 243 diploid cotton accessions based on an updated A genome identifies the genetic basis of key agronomic traits
2018.10	Nature Ecology and Evolution	The evolutionary road from wild moth to domestic silkworm
2018.10	Nature Communications	An intercross population study reveals genes associated with body size and plumage color in ducks
2018.10	Genome Biology	DNA methylation footprints during soybeandomestication and improvement
2018.10	Genome Biology	Reduced intrinsic DNA curvature leads to increased mutation rate
2018.10	Nature Genetics	Parallel selection on a dormancy gene during domestication of crops from multiple families
2018.10	Cell Stem Cell	Generation of Uniparental Mice from Hypomethylated Haploid ESCs with Imprinting Region Deletions
2018.10	Cell Research	Accurate annotation of accessible chromatin in mouse and human primordial germ cells.
2018.10	J Mol Cell Biol	Esrrb plays important roles in maintaining self-renewal of trophoblast stem cells (TSCs) and reprogramming somatic cells to induced TSCs.

2018.9	Cell Stem Cell	Inhibition of Aberrant DNA Re-methylation Improves Post-implantation Development of Somatic Cell Nuclear Transfer Embryos
2018.8	ORIGINAL ARTICLE	Mouse gastrulation: Attributes of transcription factor regulatory network for epiblast patterning
2018.7	Stem Cell Reports	Suppressing Nodal Signaling Activity Predisposes Ectodermal Differentiation of Epiblast Stem Cells
2018.7	Nature Genetics	Extensive intraspecific gene order and gene structural variations between Mo17 and other maize genomes
2018.7	Science China-Life Science	De novo assembly of a Chinese soybean genome
2018.4	Journal of Molecular Cell Biology	TGF $\beta$ signaling hyperactivation-induced tumorigenicity during the derivation of neural progenitors from mouse ESCs
2018.3	Genetics	Maize Dek37 Encodes a P-Type PPR protein that affects cis-splicing of mitochondrial nad2 intron 1 and seed development
2018.3	Nature Cell Biology	Reprogramming of H3K9me3-dependent heterochromatin during mammalian embryo development
2018.3	Nature Communications	The genomic and functional landscapes of developmental plasticity in the American cockroach.
2018.2	Cell Research	Silencing of developmental genes by H3K27me3 and DNA methylation reflects the discrepant plasticity of embryonic and extraembryonic lineages
2018.2	Stem Cell Reports.	Reduced Self-Diploidization and Improved Survival of Semi-cloned Mice Produced from Androgenetic Haploid Embryonic Stem Cells through Overexpression of Dnmt3b

2018.1	Elife	Unique molecular events during reprogramming of human somatic cells to induced pluripotent stem cells (iPSCs) at naïve state
2018.1	Cell Death Differ	Efficient generation of functional haploid spermatids from human germline stem cells by three-dimensional-induced system
2017.12	Cell Rep	Protein Expression Landscape of Mouse Embryos during Pre-implantation Development
2017.11	Hum Genet	Additive-effect pattern of both ZP2 and ZP3 in human and mouse
2017.11	Stem Cell Reports	Oocyte-Specific Homeobox 1, Obox1, Facilitates Reprogramming by Promoting Mesenchymal-to-Epithelial Transition and Mitigating Cell Hyperproliferation
2017.11	Nature Communications	Scallop genome reveals molecular adaptations to semi-sessile life and neurotoxins
2017.11	Nature Communications	Inference of differentiation time for single cell transcriptomes using cell population reference data
2017.11	Nature Communications	NOG1 increases grain production in rice
2017.10	PNAS	Mediator subunit MED25 links the jasmonate receptor to transcriptionally active chromatin
2017.9	Genome Research	Trans-splicing enhances translational efficiency in <i>C. elegans</i>
2017.9	Oncotarget	Pkm2 can enhance pluripotency in ESCs and promote somatic cell reprogramming to iPSCs
2017.8	J Mol Cell Biol	IP3R-mediated Ca <sup>2+</sup> signals govern hematopoietic and cardiac divergence of Flk1 <sup>+</sup> cells via the calcineurin-NFATc3-Etv2

		pathway
2017.8	Hum Genet	Dosage effects of ZP2 and ZP3 heterozygous mutations cause human infertility
2017.8	Plant Cell	MYC2 orchestrates a hierarchical transcriptional cascade that regulates jasmonate-mediated plant immunity in tomato.
2017.8	National Science Review	Genome analysis of Taraxacum kok-saghyz Rodin provides new insights into rubber biosynthesis
2017.8	Genome Biology	Genome-wide association studies dissect the genetic networks underlying agronomical traits in soybean
2017.8	Molecular Biology and Evolution	Codon-resolution analysis reveals a direct and context-dependent impact of individual synonymous mutations on mRNA level
2017.8	Genome Biology	Conservation and divergence of small RNA pathways and microRNAs in land plants
2017.8	PLoS Genetics	Integration of the tricarboxylic acid (TCA) cycle with cAMP signaling and Sfl2 pathways in the regulation of CO <sub>2</sub> sensing and hyphal development in Candida albicans
2017.7	Scientific Reports	Abnormal Paraventricular Nucleus of Hypothalamus and Growth Retardation Associated with Loss of Nuclear Receptor Gene COUP-TFII
2017.7	Molecular Psychiatry	Reduced TRPC6 mRNA levels in the blood cells of patients with Alzheimer's disease and mild cognitive impairment
2017.7	Oncotarget	High throughput sequencing identifies an imprinted gene, Grb10, associated with the pluripotency state in nuclear transfer embryonic stem cells
2017.6	Cell Research	CRISPR-Cas9-mediated genome editing in one blastomere of two-cell embryos reveals a novel Tet3 function in regulating

		neocortical development
2017.6	Scientific Report	Transcriptome profiling of <i>Cucumis metuliferus</i> infected by <i>Meloidogyne incognita</i> provides new insights into putative defense regulatory network in Cucurbitaceae
2017.6	Neurosci. Bull	Derivation of Haploid Neurons from Mouse Androgenetic Haploid Embryonic Stem Cells
2017.6	Cell Stem Cell	RNA Helicase DDX5 Inhibits Reprogramming to Pluripotency by miRNA-Based Repression of RYBP and its PRC1-Dependent and -Independent Functions
2017.5	Cell Research	Class I histone deacetylases are major histone deacetylases evidence for critical and broad function of histone crotonylation in transcription
2017.5	eLife	Nkx2.5 marks angioblasts that contribute to hemogenic endothelium of the endocardium and dorsal aorta
2017.5	National Science Review	Lineage specification of early embryos and embryonic stem cells at the dawn of enabling technologies
2017.5	Cell Res	Baf60b-mediated ATM-p53 activation blocks cell identity conversion by sensing chromatin opening
2017.4	Sci China Life Sci.	The genome-wide molecular regulation of mouse gastrulation embryo
2017.4	Molecular Plant	Brassica rapa Genome 2.0: a reference upgrade through sequence re-assembly and gene re-annotation
2017.4	Molecular Plant	A PP2C-1 Allele Underlying a Quantitative Trait Locus Enhances Soybean 100-Seed Weight
2017.3	Molecular Plant	Natural Variation in the Promoter of GSE5 Contributes to Grain Size Diversity in Rice

2017.3	Nature Communications	Wheat Ms2 encodes for an orphan protein that confers male sterility in grass species
2017.3	Nature Immunology	The metabolic ER stress sensor IRE1 $\alpha$ suppresses alternative activation of macrophages and impairs energy expenditure in obesity
2017.3	Nature Communications	A natural tandem array alleviates epigenetic repression of IPA1 and leads to superior yielding rice
2017.3	Nature Genetics	Natural variation at the soybean J locus improves adaptation to the tropics and enhances yield
2017.3	Journal of Biological Chemistry	Transcriptome analysis reveals determinant stages controlling human embryonic stem cell commitment to neuronal cells
2017.3	Biomaterials	Direct induction of neural progenitor cells transiently passes through a partially reprogrammed state
2017.2	J Biol Chem	Maternal Sall4 Is Indispensable for Epigenetic Maturation of Mouse Oocytes
2017.2	Nature Protocols	Spatial transcriptomic analysis of cryosectioned tissue samples with Geo-seq
2017.1	Nat Commun	BCAS2 is involved in alternative mRNA splicing in spermatogonia and the transition to meiosis
2017.1	Cell Reports	Opposing Roles of Acetylation and Phosphorylation in LIFR-Dependent Self-Renewal Growth Signaling in Mouse Embryonic Stem Cells
2016.11	Scientific reports	SUMO-specific protease 3 is a key regulator for hepatic lipid metabolism in non-alcoholic fatty liver disease
2016.11	BMC Genomics	Genome-wide analysis reveals signatures of selection for important traits in domestic sheep from different ecoregions

2016.10	Science	Photoactivation and inactivation of Arabidopsis cryptochrome 2
2016.10	Scientific Report	The genetic map of goldfish ( <i>Carassius auratus</i> ) provided insights to the divergent genome evolutions in the Cyprinidae family
2016.10	Nature Protocols	Serial sequencing of isologous RAD tags for cost-efficient genome-wide profiling of genetic and epigenetic variations
2016.9	Cell Research	Identification of TRA2B-DNAH5 fusion as a novel oncogenic driver in human lung squamous cell carcinoma
2016.9	Nature	Distinct features of H3K4me3 and H3K27me3 chromatin domains in pre-implantation embryos
2016.4	Nature Communications	Whole-genome sequencing reveals untapped genetic potential in Africa's indigenous cereal crop sorghum
2016.4	PLoS Pathog	Biosynthesis of Antibiotic Leucinostatins in Bio-control Fungus <i>Purpureocillium lilacinum</i> and Their Inhibition on <i>Phytophthora</i> Revealed by Genome Mining
2016.4	Nature Genetics	REF6 recognizes a specific DNA sequence to demethylate H3K27me3 and regulate organ boundary formation in Arabidopsis.
2016.2	Cell Report	Hierarchical Oct4 Binding in Concert with Primed Epigenetic Rearrangements during Somatic Cell Reprogramming
2016.1	Nature Communications	LSD1 co-repressor Rcor2 orchestrates neurogenesis in the developing mouse brain
2016.1	Stem Cells Transl Med	Naive Induced Pluripotent Stem Cells Generated From beta-Thalassemia Fibroblasts Allow Efficient Gene Correction With CRISPR/Cas9
2016.1	Cell Discovery	Identification of key factors conquering developmental arrest

		of somatic cell cloned embryos by combining embryo biopsy and single-cell sequencing
2014	DNA Research	High-Resolution Linkage and Quantitative Trait Locus Mapping Aided by Genome Survey Sequencing: Building Up An Integrative Genomic Framework for a Bivalve Mollusc
2014	Mol Ecol Resour.	Sequencing-based gene network analysis provides a core set of gene resource for understanding thermal adaptation in Zhikong scallop <i>Chlamys farreri</i>
2013	PLoS One	RADtyping: An Integrated Package for Accurate De Novo Codominant and Dominant RAD Genotyping in Mapping Population
2013	Plant Cell	Genome-Wide Binding Analysis of the Transcription Activator IDEAL PLANT ARCHITECTURE1 Reveals a Complex Network Regulating Rice Plant Architecture
2013	Plant Physiol.	The differential transcription network between embryo and endosperm in the early developing maize seed
2013	Plant J.	Comprehensive analyses of microRNA genes evolution in paleopolyploid soybean genom
2013	Blood	Exome sequencing identifies an MLL3 gene germ line mutation in a pedigree of colorectal cancer and acute myeloid leukemia
2012	Clinical Genetics	Whole exome sequencing identifies a novel DFNA9 mutation, C162Y.
2012	Arthritis Rheum	Mutations in proteasome subunit $\beta$ type 8 cause chronic atypical neutrophilic dermatosis with lipodystrophy and elevated temperature with evidence of genetic and phenotypic heterogeneity
2012	Nature	Genome sequence of the model medicinal mushroom

	Communications	Ganoderma lucidum
2012	Nature Genetics	Genome-wide genetic changes during modern breeding of maize
2012	Nature Method	2b-RAD: a simple and flexible method for genome-wide genotyping
2011	Proc Natl Acad Sci	Extensive, clustered parental imprinting of protein-coding and noncoding RNAs in developing maize endosperm
2011	Theor Appl Genet	Development and application of a set of breeder-friendly SNP markers for genetic analyses and molecular breeding of rice ( <i>Oryza sativa</i> L)