

项目文章

贝瑞基因科技服务事业部

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10x Genomics 单细胞/空间转录组

序号	时间	期刊	影响因子	物种和组织类型	名称
1	2016.6	Cell Discovery	4.6	小鼠生殖细胞	Identification of key factors conquering developmental arrest of somatic cell cloned embryos by combining embryo biopsy and single-cell sequencing
2	2016.9	Nature	38.138	小鼠胚胎	Distinct features of H3K4me3 and H3K27me3 chromatin domains in pre-implantation embryos
3	2017.2	Nature Protocols	9.646	小鼠胚胎	Spatial transcriptomic analysis of cryosectioned tissue samples with Geo-seq
4	2017.2	Journal of Biological Chemistry	4.125	小鼠卵母细胞和胚胎组织	Maternal <i>Sall4</i> is Indispensable for Epigenetic Maturation of Mouse Oocytes
5	2019.2	Nature Genetics	27.125	小鼠肺多功能干细胞	Lung regeneration by multipotent stem cells residing at the bronchioalveolar duct junction
6	2019.8	Nature	41.577	小鼠胚胎	Molecular architecture of lineage allocation and tissue organization in early mouse embryo
7	2019.9	Cell Research	17.848	人胚胎细胞	Tracing the first hematopoietic stem cell generation in human embryo by single-cell RNA sequencing
8	2019.10	Immunity	21.522	人胚胎细胞	Single-cell RNA Sequencing Resolves Spatiotemporal Development of Pre-thymic Lymphoid Progenitors and Thymus Organogenesis in Human Embryos
9	2020.3	Cell Discovery	4.6	人外周血	Immune Cell Profiling of COVID-19 Patients in the Recovery Stage by Single-Cell Sequencing
10	2020.5	Nature	41.577	人胚胎细胞	Deciphering human macrophage development at single-cell resolution
11	2020.6	Gut	19.819	人胃肿瘤组织和正常胃黏膜组织	Dissecting transcriptional heterogeneity in primary gastric adenocarcinoma by single cell RNA sequencing
12	2020.7	Journal of Hepatology	20.58	人肝内胆管肿瘤组织及癌旁组织	Single cell transcriptomic architecture and intercellular crosstalk of human intrahepatic cholangiocarcinoma
13	2020.8	Protein&Cell	10.16	人血液、痰液和咽拭子	A human circulating immune cell landscape in aging and COVID-19
14	2020.8	Nature Communication	12.12	人外周血	Single-cell analysis of two severe COVID-19 patients reveals a monocyte-associated and tocilizumab-responding cytokine storm
15	2020.9	PNAS	9.41	人外周血	Genetic landscape and autoimmunity of monocytes in developing Vogt-Koyanagi-Harada disease
16	2020.10	Nature Communications	11.33	小鼠卵母细胞	Single-cell RNA cap and tail sequencing (scRCAT-seq) reveals subtype-specific isoforms differing in transcript demarcation

17	2019.9	Cell Research	17.848	人胚胎细胞	Tracing the first hematopoietic stem cell generation in human embryo by single-cell RNA sequencing
18	2021.1	Cell Research	17.85	人胚胎细胞	Dissecting human embryonic skeletal stem cell ontogeny by single-cell transcriptomic and functional analyses
19	2021.2	Cell	38.64	人外周血	COVID-19 immune features revealed by a large-scale single cell transcriptome atlas
20	2021.3	Cancer Research	9.73	人乳腺肿瘤组织及正常乳腺组织	Single-cell RNA sequencing reveals the cellular origin and evolution of breast cancer in <i>BRCA1</i> mutation carriers
21	2021.3	Theranostics	8.58	小鼠卵巢组织	Single-cell transcriptomic profiling provides insights into the toxic effects of Zearalenone exposure on primordial follicle assembly
22	2021.3	Theranostics	8.58	小鼠卵巢组织	Single-cell transcriptome dissection of the toxic impact of Di (2-ethylhexyl) phthalate on primordial follicle assembly
23	2021.6	Nature Cell Biology	28.82	人外周血	Single-cell epigenomic landscape of peripheral immune cells reveals establishment of trained immunity in individuals convalescing from COVID-19
24	2021.6	Journal of Genetics and Genomics	4.79	水稻及拟南芥根	Single-cell transcriptome atlas of the leaf and root of rice seedlings
25	2021.7	Cell Research	17.85	人胚胎细胞	Delineating spatiotemporal and hierarchical development of human fetal innate lymphoid cells
26	2021.8	PNAS	9.41	人外周血	Effects of sex and aging on the immune cell landscape as assessed by single-cell transcriptomic analysis
27	2021.8	Cell Discovery	4.6	人外周血	Integrated single-cell analysis revealed immune dynamics during Ad5-nCoV immunization
28	2021.8	Bone Research	13.56	人椎间盘组织	The spatially-defined single-cell transcriptional profiling uncovers diversified chondrocyte subtypes and nucleus pulposus progenitors in human intervertebral discs
29	2021.11	Protein&Cell	8.014	小鼠视网膜	Aging weakens Th17 cell pathogenicity and ameliorates experimental autoimmune uveitis in mice
30	2021.12	eLife	6.67	人嗜铬细胞瘤和肾上腺皮质腺瘤	Single-cell transcriptome analysis identifies a unique tumor cell type producing multiple hormones in ectopic ACTH and CRH secreting pheochromocytoma
31	2022.1	Cell Research	17.848	小鼠胚胎和人胚胎	Heterogeneity in endothelial cells and widespread venous arterialization during early vascular development in mammals
32	2022.2	Advanced Science	16.8	小鼠肾脏组织	Single Cell RNA Sequencing Identifies a Unique Inflammatory Macrophage Subset as a Druggable Target For Alleviating Acute Kidney Injury
33	2022.6	Cell Discovery	10.85	人外周血	Decoding lymphomyeloid divergence and immune hyporesponsiveness in G-CSF-primed human bone marrow by single-cell RNA-seq
34	2022.7	Cancer Communications	15.283	人宫颈鳞状细胞癌组织	Pivotal roles of tumor-draining lymph nodes in the abscopal effects from combined immunotherapy and radiotherapy

35	2022.11	Cancer Cell	38.585	小鼠前列腺肿瘤样本	FOXA2 drives lineage plasticity and KIT pathway activation in neuroendocrine prostate cancer
36	2023.1	Science Advances	14.957	人宫颈组织	Single-cell dissection of cellular and molecular features underlying human cervical squamous cell carcinoma initiation and progression
37	2023.2	Nature Communications	17.694	蜘蛛大壶状腺	A molecular atlas reveals the tri-sectional spinning mechanism of spider dragline silk
38	2023.3	Cell Discovery	38.079	肝细胞癌组织	CD36+ cancer-associated fibroblasts provide immunosuppressive microenvironment for hepatocellular carcinoma via secretion of macrophage migration inhibitory factor
39	2023.3	Military Medical Research	34.915	豚鼠皮肤组织	Investigation of the cell composition and gene expression in the delayed-type hypersensitivity tuberculin skin test

基因组 De novo

序号	时间	期刊	影响因子	物种	名称
1	2017.4	Molecular Plant	8.827	芜菁	<i>Brassica rapa</i> Genome 2.0: a reference upgrade through sequence re-assembly and gene re-annotation
2	2017.8	National Science Review	2.9	橡胶草	Genome analysis of <i>Taraxacum kok-saghyz</i> Rodin provides new insights into rubber biosynthesis
3	2017.11	Nature Communications	12.124	扇贝	Scallop genome reveals molecular adaptations to semi-sessile life and neurotoxins
4	2018.3	Nature Communications	12.124	美洲蟑螂	The genomic and functional landscapes of developmental plasticity in the American cockroach.
5	2018.7	Nature Genetics	27.959	玉米	Extensive intraspecific gene order and gene structural variations between Mo17 and other maize genomes
6	2018.7	Science China-Life Science	3.085	大豆	De novo assembly of a Chinese soybean genome
7	2019.1	Nature Communications	12.353	糜子	Chromosome conformation capture resolved near complete genome assembly of broomcorn millet
8	2019.3	Nature Genetics	27.125	棉花	<i>Gossypium barbadense</i> and <i>Gossypium hirsutum</i> genomes provide insights into the origin and evolution of allotetraploid cotton
9	2019.3	Molecular Plant	9.326	花生	Sequencing of cultivated peanut, <i>Arachis hypogaea</i> , yields insights into genome evolution and oil improvement
10	2019.4	Genome Biology	13.214	开心果	Whole genomes and transcriptomes reveal adaptation and domestication of pistachio
11	2019.8	Plant Biotechnology Journal	6.84	杜梨	De novo assembly of a wild pear (<i>Pyrus betuleafolia</i>) genome
12	2019.9	Plant Biotechnology Journal	6.84	澳洲棉	Genome sequencing of the Australian wild diploid species <i>Gossypium austral</i> highlights disease resistance and delayed gland morphogenesis
13	2019.9	BioRxiv	-	家猪	Chromosome-scale <i>de novo</i> assembly and phasing of a Chinese indigenous pig genome

14	2019.10	Nature Communications	13.691	胡椒	The chromosome-scale reference genome of black pepper provides insight into piperine biosynthesis
15	2019.11	Molecular Plant	9.326	薏苡	Evolution and domestication footprints uncovered from the genomes of coix
16	2020.3	Genome Biology	13.214	芒果	The genome evolution and domestication of tropical fruit mango
17	2020.4	Science	34.661	小麦	Horizontal gene transfer of Fhb7 from fungus underlies Fusarium head blight resistance in wheat
18	2020.6	Cell	36.219	大豆	Pan-genome of wild and cultivated soybeans
19	2020.8	NPJ Genomic Medicine	5.63	人	Identification of a likely pathogenic structural variation in the <i>LAMA1</i> gene by Bionano optical mapping
20	2020.11	PNAS	9.58	金鱼	The evolutionary origin and domestication history of goldfish (<i>Carassius auratus</i>)
21	2020.12	Molecular Ecology	5.163	绿头野鸭、北京鸭	A SNP variant located in the <i>cis</i> -regulatory region of the <i>ABCG2</i> gene is associated with mallard egg color
22	2021.2	Cell	38.64	野生稻	A route to de novo domestication of wild allotetraploid rice
23	2021.2	Journal of Genetics and Genomics	4.78	榕小蜂	Genomes of 12 fig wasps provide insights into the adaptation of pollinators to fig syconia
24	2021.3	Molecular Ecology Resources	6.29	牡蛎	Construction of a chromosome-level genome and variation map for the Pacific oyster <i>Crassostrea gigas</i>
25	2021.8	Molecular Plant	9.326	萝卜	Pan-genome of <i>Raphanus</i> highlights genetic variation and introgression among domesticated, wild and weedy radishes
26	2021.8	The Crop Journal	4.4	玉米	Genome assembly of the maize inbred line A188 provides a new reference genome for functional genomics
27	2021.11	Cell Reports	8.807	人	NyuWa Genome resource: A deep whole-genome sequencing-based variation profile and reference panel for the Chinese population
28	2022.1	Genome Biology	13.214	油茶	The genome of oil-Camellia and population genomics analysis provide insights into seed oil domestication
29	2022.1	Genome Biology and Evolution	3.416	切叶蜂	Chromosome-Level Genome Assembly of <i>Anthidium xuezhong</i> i Niu & Zhu, 2020 (Hymenoptera: Apoidea: Megachilidae: Anthidiini)
30	2022.2	Cell Systems	10.304	人(土家族)	Haplotype-resolved de novo assembly of a Tujia genome suggests the necessity for high-quality population-specific genome references
31	2022.5	Molecular Plant	9.326	二色补血草	The genome of the recretohalophyte <i>Limonium bicolor</i> provides insights into salt gland development and salinity adaptation during terrestrial evolution
32	2022.6	Nature Communications	17.6939	广藿香	Chromosome-level and haplotype-resolved genome provides insight into the tetraploid hybrid origin of patchouli
33	2022.6	Molecular Plant	21.95	西瓜	A telomere-to-telomere gap-free reference genome of watermelon and its mutation library provide important resources for gene discovery and breeding

34	2022.6	Plant Biotechnology Journal	13.2632	水稻	The telomere-to-telomere gap-free genome of four rice parents reveals SV and PAV patterns in hybrid rice breeding
35	2022.11	Cell Reports	9.995	果实蝇	Behavioral and genomic divergence between a generalist and a specialist fly
36	2022.12	Nucleic Acids Research	19.16	萝卜×甘蓝 (RRCC) 异源四倍体	Characterization and acceleration of genome shuffling and ploidy reduction in synthetic allopolyploids by genome sequencing and editing
37	2023.3	The Plant Journal	7.091	木麻黄	Chromosome-scale de novo genome assembly and annotation of three representative Casuarina species: <i>C. equisetifolia</i> , <i>C. glauca</i> , and <i>C. cunninghamiana</i>
38	2023.3	Nature Plants	17.352	甘蔗	A complete gap-free diploid genome in Saccharum complex and the genomic footprints of evolution in the highly polyploid Saccharum genus
39	2023.4	Journal of Genetics and Genomics	5.723	马铃薯甲虫	Haplotype-resolved and chromosome-level genome assembly of Colorado potato beetle

人基因组测序

序号	时间	期刊	影响因子	物种和组织类型	名称
1	2016.1	Stem Cells Translational Medicine	4.247	人成纤维细胞和小鼠胚胎	Naive Induced Pluripotent Stem Cells Generated From beta-Thalassemia Fibroblasts Allow Efficient Gene Correction With CRISPR/Cas9
2	2017.8	Human Genetics	4.637	人和小鼠的卵细胞	Dosage effects of <i>ZP2</i> and <i>ZP3</i> heterozygous mutations cause human infertility
3	2019.10	Molecular Psychiatry	11.97	人外周血	Mutations in <i>ASH1L</i> confer susceptibility to Tourette syndrome
4	2019.10	Ultrasound Obstet Gynecol	5.60	人外周血	The contribution of single-gene defects to congenital cardiac left-sided lesions in the prenatal setting
5	2020.3	Nucleic Acids Research	11.50	人海拉细胞	Histone variant H2A.Z regulates nucleosome unwrapping and CTCF binding in mouse ES cells
6	2020.2	Science Advances	13.12	人胃肿瘤组织和正常胃黏膜组织	Multi-omics characterization of molecular features of gastric cancer correlated with response to neoadjuvant chemotherapy
7	2020.11	BioMed Research International	2.36	人外周血	Identification of a Novel Variant of <i>ARHGAP29</i> in a Chinese Family with Nonsyndromic Cleft Lip and Palate
8	2020.11	Frontiers in Genetics	3.26	人心脏组织	Characterization of a Novel <i>NONO</i> Intronic Mutation in a Fetus with X-Linked Syndromic Mental Retardation-34
9	2021.3	BioMed Research International	2.36	人外周血	A Novel <i>COMP</i> Mutated Allele Identified in a Chinese Family with Pseudoachondroplasia

10	2021.8	Frontiers in Genetics	3.258	人外周血	A Novel Gross Deletion in <i>PAX3</i> (10.26 kb) Identified in a Chinese Family With Waardenburg Syndrome by Third-Generation Sequencing
11	2021.11	Cell Reports	8.807	人外周血	NyuWa Genome resource: A deep whole-genome sequencing-based variation profile and reference panel for the Chinese population
12	2021.12	bioRxiv		人外周血	B.1.1.529 escapes the majority of SARS-CoV-2 neutralizing antibodies of diverse epitopes
13	2022.2	Science	34.661	人外周血	Highly enriched BEND3 prevents the premature activation of bivalent genes during differentiation
14	2022.4	Nature Cell Biology	28.824	小鼠胚胎组织	Allele-specific H3K9me3 and DNA methylation co-marked CpG-rich regions serve as potential imprinting control regions in pre-implantation embryo
15	2022.5	Cell Reports	8.807	小鼠胚胎组织	Aberrant H3K4me3 modification of epiblast genes of extraembryonic tissue causes placental defects and implantation failure in mouse IVF embryos
16	2022.5	Science	34.661	小鼠胚胎组织	FTO mediates LINE1 m6A demethylation and chromatin regulation in mESCs and mouse development
17	2023.2	The Journal of Cardiovascular Aging		人外周血	Reassessment of genes associated with dilated and hypertrophic cardiomyopathy in a Chinese Han population

转录调控

序号	时间	期刊	影响因子	物种	名称
1	2016.1	Nature Communications	12.124	小鼠	LSD1 co-repressor Rcor2 orchestrates neurogenesis in the developing mouse brain
2	2016.2	Cell Report	7.87	小鼠	Hierarchical Oct4 Binding in Concert with Primed Epigenetic Rearrangements during Somatic Cell Reprogramming
2	2016.4	Nature Genetics	27.959	拟南芥	REF6 recognizes a specific DNA sequence to demethylate H3K27me3 and regulate organ boundary formation in <i>Arabidopsis</i> .
3	2016.9	Cell Research	14.812	人	Identification of TRA2B-DNAH5 fusion as a novel oncogenic driver in human lung squamous cell carcinoma
4	2016.10	Nature Protocols	9.646	人	Serial sequencing of isolength RAD tags for cost-efficient genome-wide profiling of genetic and epigenetic variations
5	2016.10	Scientific Reports	5.2	斑马鱼	The genetic map of goldfish (<i>Carassius auratus</i>) provided insights to the divergent genome evolutions in the Cyprinidae family
6	2016.10	Science	34.661	拟南芥	Photoactivation and inactivation of <i>Arabidopsis</i> cryptochrome 2

7	2016.11	Scientific Reports	5.2	人和小鼠	SUMO-specific protease 3 is a key regulator for hepatic lipid metabolism in non-alcoholic fatty liver disease
8	2017.1	Nature Communications	12.124	小鼠	BCAS2 is involved in alternative mRNA splicing in spermatogonia and the transition to meiosis
9	2017.1	Cell Reports	7.87	小鼠	Opposing Roles of Acetylation and Phosphorylation in LIFR-Dependent Self-Renewal Growth Signaling in Mouse Embryonic Stem Cells
10	2017.3	Biomaterials	8.402	小鼠	Direct induction of neural progenitor cells transiently passes through a partially reprogrammed state
11	2017.3	Journal of Biological Chemistry	4.125	人	Transcriptome analysis reveals determinant stages controlling human embryonic stem cell commitment to neuronal cells
12	2017.3	Nature Immunology	20.479	小鼠	The metabolic ER stress sensor IRE1 α suppresses alternative activation of macrophages and impairs energy expenditure in obesity
13	2017.3	Nature Communications	11.329	小麦	Wheat <i>Ms2</i> encodes for an orphan protein that confers male sterility in grass species
14	2017.3	Nature Communications	11.329	水稻	A natural tandem array alleviates epigenetic repression of <i>IPA1</i> and leads to superior yielding rice
15	2017.5	National Science Review	8.843	小鼠	Lineage specification of early embryos and embryonic stem cells at the dawn of enabling technologies
16	2017.5	eLife	7.725	小鼠和人	Nkx2.5 marks angioblasts that contribute to hemogenic endothelium of the endocardium and dorsal aorta
17	2017.5	Cell Research	14.812	小鼠	Class I histone deacetylases are major histone crotonylases evidence for critical and broad function of histone crotonylation in transcription
18	2017.6	Scientific Reports	5.2	黄瓜	Transcriptome profiling of <i>Cucumis metuliferus</i> infected by <i>Meloidogyne incognita</i> provides new insights into putative defense regulatory network in Cucurbitaceae
19	2017.6	Cell Stem Cell	23.394	小鼠	RNA Helicase DDX5 Inhibits Reprogramming to Pluripotency by miRNA-Based Repression of RYBP and its PRC1-Dependent and -Independent Functions
20	2017.7	Molecular Psychiatry	13.204	人	Reduced TRPC6 mRNA levels in the blood cells of patients with Alzheimer's disease and mild cognitive impairment
21	2017.7	Oncotarget	5.165	小鼠	High throughput sequencing identifies an imprinted gene, <i>Grb10</i> , associated with the pluripotency state in nuclear transfer embryonic stem cells
22	2017.7	The Plant Cell	9.251	番茄	MYC2 orchestrates a hierarchical transcriptional cascade that regulates jasmonate-mediated plant immunity in tomato.
23	2017.7	Scientific Reports	4.259	小鼠	Abnormal Paraventricular Nucleus of Hypothalamus and Growth Retardation Associated with Loss of Nuclear Receptor Gene <i>COUP-TFII</i>
24	2017.8	Genome Biology	11.12	蕨类植物, 石松植物	Conservation and divergence of small RNA pathways and microRNAs in land plants

25	2017.8	Journal of Molecular Cell Biology	5.988	小鼠	IP3R-mediated Ca ²⁺ signals govern hematopoietic and cardiac divergence of Flk1+ cells via the calcineurin-NFATc3-Etv2 pathway
26	2017.9	Genome Research	11.88	线虫	Trans-splicing enhances translational efficiency in <i>C. elegans</i>
27	2017.9	Oncotarget	5.165	小鼠	Pkm2 can enhance pluripotency in ESCs and promote somatic cell reprogramming to iPSCs
28	2017.10	PNAS	8.56	拟南芥	Mediator subunit MED25 links the jasmonate receptor to transcriptionally active chromatin
29	2017.11	Human Genetics	4.637	人和小鼠	Additive-effect pattern of both ZP2 and ZP3 in human and mouse
30	2017.11	Stem Cell Reports	7.338	小鼠	Oocyte-Specific Homeobox 1, <i>Obox1</i> , Facilitates Reprogramming by Promoting Mesenchymal-to-Epithelial Transition and Mitigating Cell Hyperproliferation
31	2017.11	Nature Communications	11.329	小鼠	Inference of differentiation time for single cell transcriptomes using cell population reference data
32	2017.12	Cell Reports	8.282	小鼠	Protein Expression Landscape of Mouse Embryos during Pre-implantation Development
33	2018.1	eLife	7.725	人	Unique molecular events during reprogramming of human somatic cells to induced pluripotent stem cells (iPSCs) at naïve state
34	2018.1	Cell Death and Differentiation	8.339	人	Efficient generation of functional haploid spermatids from human germline stem cells by three-dimensional-induced system
35	2018.2	Cell Research	14.812	小鼠	Silencing of developmental genes by H3K27me3 and DNA methylation reflects the discrepant plasticity of embryonic and extraembryonic lineages
36	2018.2	Stem Cell Reports	5.499	小鼠	Reduced Self-Diploidization and Improved Survival of Semi-cloned Mice Produced from Androgenetic Haploid Embryonic Stem Cells through Overexpression of <i>Dnmt3b</i>
37	2018.3	Genetics	4.075	玉米	Maize <i>Dek37</i> Encodes a P-Type PPR protein that affects cis-splicing of mitochondrial <i>nad2</i> intron 1 and seed development
38	2018.3	Nature Cell Biology	20.06	小鼠	Reprogramming of H3K9me3-dependent heterochromatin during mammalian embryo development
39	2018.4	Journal of Molecular Cell Biology	5.598	小鼠	TGFβ signaling hyperactivation-induced tumorigenicity during the derivation of neural progenitors from mouse ESCs
40	2018.7	Stem Cell Reports	6.537	小鼠	Suppressing Nodal Signaling Activity Predisposes Ectodermal Differentiation of Epiblast Stem Cells
41	2018.8	Development Growth& Differentiation	1.176	小鼠	Mouse gastrulation: Attributes of transcription factor regulatory network for epiblast patterning
42	2018.9	Cell Stem Cell	23.29	小鼠	Inhibition of Aberrant DNA Re-methylation Improves Post-implantation Development of Somatic Cell Nuclear Transfer Embryos
43	2018.10.	Cell Research	15.393	小鼠	Accurate annotation of accessible chromatin in mouse and human primordial germ cells
44	2018.10	Journal of Molecular Cell Biology	5.595	小鼠	Esrrb plays important roles in maintaining self-renewal of trophoblast stem cells (TSCs) and reprogramming somatic cells to induced TSCs.
45	2018.10	Genome Biology	13.214	大豆	DNA methylation footprints during soybeandomestication and improvement

46	2018.11	Nature	41.577	小鼠	Stella safeguards the oocyte methylome by preventing de novo methylation mediated by DNMT1
47	2018.11	Nature Communications	10.217	拟南芥	The disease resistance protein SNC1 represses the biogenesis of microRNAs and phased siRNAs
48	2019.2	Genes	3.1	陆地棉	Co-Expression Network Analysis and Hub Gene Selection for High-Quality Fiber in Upland Cotton (<i>Gossypium hirsutum</i>) Using RNA Sequencing Analysis
49	2019.3	Nature Communications	12.353	小鼠	Znhit1 controls intestinal stem cell maintenance by regulating H2A.Z incorporation
50	2019.4	Journal of Experimental Botany	5.36	玉米	Maize pentatricopeptide repeat protein DEK41 affects cis-splicing of mitochondrial <i>nad4</i> intron 3 and is required for normal seed development
51	2019.4	Cell Reports	8.032	斑马鱼	A 3D Atlas of Hematopoietic Stem and Progenitor Cell Expansion by Multi-dimensional RNA-Seq Analysis
52	2019.5	Nature Communications	13.691	果蝇	6mA-DNA-binding factor Jumu controls maternal-to-zygotic transition upstream of Zelda
53	2019.6	Plant Biotechnology Journal	6.84	棉花	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
54	2019.6	Theoretical and Applied Genetics	4.439	大麦	The anther-specific CYP704B is potentially responsible for <i>MSG26</i> male sterility in barley.
55	2019.7	Current Genetics	3.464	酵母	Characterization of the promoter, downstream target genes and recognition DNA sequence of <i>Mhy1</i> , a key filamentation-promoting transcription factor in the dimorphic yeast <i>Yarrowia lipolytica</i>
56	2019.11	Cell Research	14.812	黑水虻	Genomic landscape and genetic manipulation of the black soldier fly <i>Hermetia illucens</i> , a natural waste recycler
57	2019.12	Nature	41.58	人	H2A.Z facilitates licensing and activation of early replication origins
58	2020.2	RNA Biology	4.18	茶花	Identification of alternatively spliced gene isoforms and novel noncoding RNAs by singlemolecule long-read sequencing in <i>Camellia</i>
59	2020.2	Genome Biology	14.03	小鼠	Histone H3K27 acetylation is dispensable for enhancer activity in mouse embryonic stem cells
60	2020.11	The Plant Cell	9.618	拟南芥	DEAD-BOX RNA HELICASE 27 Regulates MicroRNA Biogenesis, Zygote Division and Stem Cell Homeostasis
61	2021.10	Advanced Science	16.8	人	Inhibition of the PLK1-coupled cell cycle machinery overcomes resistance to oxaliplatin in colorectal cancer
62	2021.10	PLoS Genetics	5.11	家猪	Porcine ZBED6 regulates growth of skeletal muscle and internal organs via multiple targets
63	2022.4	BMC Genomics	3.97	鸡	Diferential regulation of intramuscular fat and abdominal fat deposition in chickens
64	2022.6	Nature Communications	17.694	人	Cell fate roadmap of human primed-to-naive transition reveals preimplantation cell lineage signatures
65	2022.7	Cell Reports	8.807	人	RPA1 Controls Chromatin Architecture and Maintains Lipid Metabolic Homeostasis
66	2023.3	Cancer Immunology Research	12.02	人	Cancer Cell Resistance to IFN γ Can Occur via Enhanced Double-Strand Break Repair Pathway Activity

67	2023.5	Biotechnology Journal	5.726	人	The effects of length and sequence of gRNA on Cas13b and Cas13d activity in vitro and in vivo
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动植物重测序/微生物测序

序号	时间	期刊	影响因子	物种	名称
1	2016.4	PLoS Pathog	7.758	真菌	Biosynthesis of Antibiotic Leucinostatins in Biocontrol Fungus <i>Purpureocillium lilacinum</i> and Their Inhibition on <i>Phytophthora</i> Revealed by Genome Mining
2	2016.4	Nature Communications	11.329	高粱	Whole-genome sequencing reveals untapped genetic potential in Africa's indigenous cereal crop sorghum
3	2016.11	BMC Genomics	3.729	山羊	Genome-wide analysis reveals signatures of selection for important traits in domestic sheep from different ecoregions
4	2017.3	Nature Genetics	27.959	大豆	Natural variation at the soybean <i>J</i> locus improves adaptation to the tropics and enhances yield
5	2017.3	Molecular Plant	7.142	水稻	Natural Variation in the Promoter of <i>GSE5</i> Contributes to Grain Size Diversity in Rice
6	2017.4	Molecular Plant	7.142	大豆	A <i>PP2C-1</i> Allele Underlying a Quantitative Trait Locus Enhances Soybean 100-Seed Weight
7	2017.4	Science China Life Science	2.781	小鼠	The genome-wide molecular regulation of mouse gastrulation embryo
8	2017.5	Cell Research	15.606	小鼠	Baf60b-mediated ATM-p53 activation blocks cell identity conversion by sensing chromatin opening
9	2017.6	Neuroscience Bulletin	2.624	小鼠	Derivation of Haploid Neurons from Mouse Androgenetic Haploid Embryonic Stem Cells
10	2017.6	Cell Research	15.606	小鼠	CRISPR-Cas9-mediated genome editing in one blastomere of two-cell embryos reveals a novel Tet3 function in regulating neocortical development
11	2017.8	Genome Biology	11.12	大豆	Genome-wide association studies dissect the genetic networks underlying agronomical traits in soybean
12	2017.11	Nature Communications	11.329	水稻	<i>NOG1</i> increases grain production in rice
13	2018.10	Nature Genetics	27.959	棉花	Resequencing of 243 diploid cotton accessions based on an updated A genome identifies the genetic basis of key agronomic traits
14	2018.10	Nature Communications	12.353	梅花	The genetic architecture of floral traits in the woody plant <i>Prunus mume</i>
15	2018.10	Molecular Plant	8.827	水稻	Control of grain size and weight by the OsMKKK10-OsMKK4-OsMAPK6 signaling pathway in rice
16	2018.10	Plant Biotechnology Journal	7.443	玉米	High-efficiency genome editing using a <i>dmc1</i> promoter-controlled CRISPR/Cas9 system in maize

17	2018.10	Nature Communications	12.353	北京鸭	An intercross population study reveals genes associated with body size and plumage color in ducks
18	2018.10	Nature Ecology and Evolution	10.965	家蚕	The evolutionary road from wild moth to domestic silkworm
19	2018.10	Nature Genetics	27.125	大豆、水稻、拟南芥、番茄	Parallel selection on a dormancy gene during domestication of crops from multiple families
20	2018.10	Genome Biology	13.214	酵母	Reduced intrinsic DNA curvature leads to increased mutation rate
21	2018.11	Molecular Biology and Evolution	14.797	西藏绵羊	The genome landscape of Tibetan sheep reveals adaptive introgression from argali and the history of early human settlements on the Qinghai-Tibetan Plateau
22	2019.3	Zoologica Scripta	2.690	天牛	Diversification of mitogenomes in three sympatric Altica flea beetles (<i>Insecta, Chrysomelidae</i>)
23	2019.7	Molecular Biology and Evolution	14.797	柳莺	'Ghost introgression' as a cause of deep mitochondrial divergence in a bird species complex
24	2019.7	Molecular Biology and Evolution	14.797	藏马	<i>EPAS1</i> Gain-of-Function Mutation Contributes to High Altitude Adaptation in Tibetan Horses
25	2019.9	Nature Communications	11.878	小麦	An ancestral NB-LRR with duplicated 3'UTRs confers stripe rust resistance in wheat and barley
26	2019.9	Systematic Entomology	3.727	叶甲虫	The phylogeny of leaf beetles (<i>Chrysomelidae</i>) inferred from mitochondrial genomes
27	2019.11	Nature Genetics	27.959	西瓜	Resequencing of 414 cultivated and wild watermelon accessions identifies selection for fruit quality traits
28	2019.12	Nature Genetics	27.959	菜豆	Resequencing of 683 common bean genotypes identifies yield component trait associations across a north-south cline
29	2020.6	Molecular Biology and Evolution	14.797	地山雀	Comparative genomics reveals evolution of a beak morphology locus in a high-altitude songbird
30	2020.6	Nature Communications	13.691	绵羊	Whole-genome resequencing of wild and domestic sheep identifies genes associated with morphological and agronomic traits
31	2020.8	PNAS	9.142	谷子	DROOPY LEAF1 Controls Leaf Architecture by Orchestrating Early Brassinosteroid Signaling
32	2020.11	Nature Communications	11.878	番茄	<i>FISI</i> encodes a GA2-oxidase that regulates fruit firmness in tomato
33	2021.1	Genome Biology	13.214	苦荞	Resequencing of global Tartary buckwheat accessions reveals multiple domestication events and key loci associated with agronomic traits
34	2021.6	Nature Cell Biology	28.8	小鼠	Global profiling of RNA-binding protein target sites by LACE-seq
35	2021.9	Journal of Integrative Plant Biology	7.06	紫花苜蓿	A global alfalfa diversity panel reveals genomic selection signatures in Chinese varieties and genomic associations with root development
36	2021.11	Proceedings of the Royal Society B: Biological Sciences	4.62	阿纳鲷鲆	A single intronic SNP in splicing site of steroidogenic enzyme <i>hsd17b1</i> is associated with phenotypic sex in oyster pompano, <i>Trachinotus anak</i>
37	2021.11	PNAS	9.142	山雀	Parallel genomic responses to historical climate change and high elevation in East Asian songbirds

38	2022.3	Systematic Biology	15.683	弹尾虫	Phylogenomics of Elongate-Bodied Springtails Reveals Independent Transitions from Aboveground to Belowground Habitats in Deep-Time
39	2022.3	Insect Science	3.262	小蜂蛾	Testing the systematic status of Homalictus and Rostrohalictus with weakened cross-vein groups within Halictini (Hymenoptera: Halictidae) using low-coverage whole-genome sequencing
40	2022.4	BMC Biology	7.431	木犀科	Phylogenomic approaches untangle early divergences and complex diversifications of the olive plant family
41	2022.6	Nature	49.962	番茄	Graph pangenome captures missing heritability and empowers tomato breeding
42	2023.5	Frontiers in Plant Science	6.627	番茄	Comparative analysis of chloroplast genomes of 29 tomato germplasms: genome structures, phylogenetic relationships, and adaptive evolution