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## HISAT: a fast spliced aligner with low memory requirements

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1682	Genome wide association analysis in a mouse advanced intercross line. <b>2018</b> , 9, 5162	20
1681	Accelerating Sequence Alignments Based on FM-Index Using the Intel KNL Processor. <b>2020</b> , 17, 1093-1104	5

1680	The disease resistance protein SNC1 represses the biogenesis of microRNAs and phased siRNAs. <b>2018, 9, 5080</b>	37
1679	CHESS: a new human gene catalog curated from thousands of large-scale RNA sequencing experiments reveals extensive transcriptional noise. <b>2018, 19, 208</b>	158
1678	Altered expression of K13 disrupts DNA replication and repair in Plasmodium falciparum. <b>2018, 19, 849</b>	14
1677	Promotion of Myoblast Differentiation by Fkbp5 via Cdk4 Isomerization. <b>2018, 25, 2537-2551.e8</b>	13
1676	RNA Sequencing for Gene Expression Profiles in a Rat Model of Middle Cerebral Artery Occlusion. <b>2018, 2018, 2465481</b>	5
1675	Genome-wide identification and characterization of long non-coding RNAs during postnatal development of rabbit adipose tissue. <b>2018, 17, 271</b>	10
1674	Suppresses the Humoral Immune System to Overcome Defense Mechanism of. <b>2018, 9, 1478</b>	15
1673	A two-level model for the role of complex and young genes in the formation of organism complexity and new insights into the relationship between evolution and development. <b>2018, 9, 22</b>	8
1672	Comprehensively Profiling the Chromatin Architecture of Tissue Restricted Antigen Expression in Thymic Epithelial Cells Over Development. <b>2018, 9, 2120</b>	10
1671	Bone protection by inhibition of microRNA-182. <b>2018, 9, 4108</b>	45
1670	Rice stripe virus-derived siRNAs play different regulatory roles in rice and in the insect vector Laodelphax striatellus. <b>2018, 18, 219</b>	20
1669	Long non-coding RNA AFAP1-AS1 plays an oncogenic role in promoting cell migration in non-small cell lung cancer. <b>2018, 75, 4667-4681</b>	33
1668	Combining Developmental and Perturbation-Seq Uncovers Transcriptional Modules Orchestrating Neuronal Remodeling. <b>2018, 47, 38-52.e6</b>	30
1667	Shark genomes provide insights into elasmobranch evolution and the origin of vertebrates. <b>2018, 2, 1761-1771<sub>104</sub></b>	
1666	Allele-defined genome of the autopolyploid sugarcane Saccharum spontaneum L. <b>2018, 50, 1565-1573</b>	229
1665	Pathways of Pathogenicity: Transcriptional Stages of Germination in the Fatal Fungal Pathogen. <b>2018, 3,</b>	9
1664	A Statistical Method for Observing Personal Diploid Methylomes and Transcriptomes with Single-Molecule Real-Time Sequencing. <b>2018, 9,</b>	0
1663	CD8 T Cell Priming in Established Chronic Viral Infection Preferentially Directs Differentiation of Memory-like Cells for Sustained Immunity. <b>2018, 49, 678-694.e5</b>	62

1662	Dichomitus squalens partially tailors its molecular responses to the composition of solid wood. <b>2018</b> , 20, 4141-4156	19
1661	De novo assembly of middle-sized genome using MinION and Illumina sequencers. <b>2018</b> , 19, 700	9
1660	Structural Remodeling of the Human Colonic Mesenchyme in Inflammatory Bowel Disease. <b>2018</b> , 175, 372-386.e17	224
1659	High-throughput characterization of genetic effects on DNA-protein binding and gene transcription. <b>2018</b> , 28, 1701-1708	13
1658	Analyses of gene expression profiles in the rat dorsal horn of the spinal cord using RNA sequencing in chronic constriction injury rats. <b>2018</b> , 15, 280	17
1657	Methylation of all BRCA1 copies predicts response to the PARP inhibitor rucaparib in ovarian carcinoma. <b>2018</b> , 9, 3970	111
1656	Clinical Transcriptome Sequencing Confirms Activation of a Cryptic Splice Site in Suspected -Related Disorder. <b>2019</b> , 9, 295-299	1
1655	The contrasting response to drought and waterlogging is underpinned by divergent DNA methylation programs associated with transcript accumulation in sesame. <b>2018</b> , 277, 207-217	19
1654	Single-cell RNA-seq reveals dynamic transcriptome profiling in human early neural differentiation. <b>2018</b> , 7,	11
1653	Young genes have distinct gene structure, epigenetic profiles, and transcriptional regulation. <b>2018</b> , 28, 1675-1687	35
1652	Blue Light Regulates Secondary Cell Wall Thickening via MYC2/MYC4 Activation of the -Directed Transcriptional Network in Arabidopsis. <b>2018</b> , 30, 2512-2528	25
1651	When one becomes many-Alternative splicing in cell function and failure. <b>2018</b> , 20 Suppl 2, 77-87	21
1650	Mating-type factor-specific regulation of the fumagillin/pseurotin secondary metabolite supercluster in Aspergillus fumigatus. <b>2018</b> , 110, 1045-1065	8
1649	Differentially Expressed Genes Associated with the Cabbage Yellow-Green-Leaf Mutant in the Mapping Interval with Recombination Suppression. <b>2018</b> , 19,	6
1648	Genus-wide sequencing supports a two-locus model for sex-determination in Phoenix. <b>2018</b> , 9, 3969	57
1647	Phenotypic and molecular consequences of stepwise temperature increase across generations in a coral reef fish. <b>2018</b> , 27, 4516-4528	14
1646	HSRA: Hadoop-based spliced read aligner for RNA sequencing data. <b>2018</b> , 13, e0201483	8
1645	The receptor tyrosine kinase HIR-1 coordinates HIF-independent responses to hypoxia and extracellular matrix injury. <b>2018</b> , 11,	8

1644	Cell-specific proteome analyses of human bone marrow reveal molecular features of age-dependent functional decline. <b>2018</b> , 9, 4004	38
1643	Riemerella anatipestifer AS87_RS09170 gene is responsible for biotin synthesis, bacterial morphology and virulence. <b>2018</b> , 8, 14645	4
1642	Guzhi Zengsheng Zhitongwan, a Traditional Chinese Medicinal Formulation, Stimulates Chondrocyte Proliferation through Control of Multiple Genes Involved in Chondrocyte Proliferation and Differentiation. <b>2018</b> , 2018, 7265939	5
1641	Genetic Modulation of RNA Splicing with a CRISPR-Guided Cytidine Deaminase. <b>2018</b> , 72, 380-394.e7	66
1640	Transcriptomic response to parasite infection in Nile tilapia (Oreochromis niloticus) depends on rearing density. <b>2018</b> , 19, 723	23
1639	Genome-wide screening of NEAT1 regulators reveals cross-regulation between paraspeckles and mitochondria. <b>2018</b> , 20, 1145-1158	85
1638	Comprehensive Transcriptome Profiling and Identification of Potential Genes Responsible for Salt Tolerance in Tall Fescue Leaves under Salinity Stress. <b>2018</b> , 9,	4
1637	Regulation of the terminal maturation of iNKT cells by mediator complex subunit 23. <b>2018</b> , 9, 3875	9
1636	Transcriptome profiling analysis characterized the gene expression patterns responded to combined drought and heat stresses in soybean. <b>2018</b> , 77, 413-429	23
1635	Gene sequence screening for manganese poisoning-susceptible genes and analysis of gene interaction effects. <b>2018</b> , 64, 60-69	3
1634	A Musashi Splice Variant and Its Interaction Partners Influence Temperature Acclimation in. <b>2018</b> , 178, 1489-1506	4
1633	Transcriptome Sequencing Reveals the Differentially Expressed lncRNAs and mRNAs Involved in Cryoinjuries in Frozen-Thawed Giant Panda () Sperm. <b>2018</b> , 19,	15
1632	Lung Single-Cell Signaling Interaction Map Reveals Basophil Role in Macrophage Imprinting. <b>2018</b> , 175, 1031-1044.e18	204
1631	A Short Tandem Repeat-Enriched RNA Assembles a Nuclear Compartment to Control Alternative Splicing and Promote Cell Survival. <b>2018</b> , 72, 525-540.e13	57
1630	De Novo assembly and comparative transcriptome analyses of purple and green morphs of Apostichopus japonicus during body wall pigmentation process. <b>2018</b> , 28, 151-161	7
1629	Virome Analysis Reveals No Association of Head and Neck Vascular Anomalies with an Active Viral Infection. <b>2018</b> , 32, 1323-1331	
1628	Cytokine production by activated plasmacytoid dendritic cells and natural killer cells is suppressed by an IRAK4 inhibitor. <b>2018</b> , 20, 238	30
1627	Diet induced obesity is independent of metabolic endotoxemia and TLR4 signalling, but markedly increases hypothalamic expression of the acute phase protein, SerpinA3N. <b>2018</b> , 8, 15648	33

1626	TransAtlasDB: an integrated database connecting expression data, metadata and variants. <b>2018</b> , 2018,	1
1625	An Analysis of Tophat. <b>2018</b> ,	
1624	ADAR1-mediated RNA editing is required for thymic self-tolerance and inhibition of autoimmunity. <b>2018</b> , 19,	27
1623	RNA Sequencing-Based Whole-Transcriptome Analysis of Friesian Cattle Fed with Grape Pomace-Supplemented Diet. <b>2018</b> , 8,	17
1622	Genomic discovery of the hypsin gene and biosynthetic pathways for terpenoids in <i>Hypsizygus marmoreus</i> . <b>2018</b> , 19, 789	10
1621	Improved <i>Macaca fascicularis</i> gene annotation reveals evolution of gene expression profiles in multiple tissues. <b>2018</b> , 19, 787	2
1620	Integrating Transcriptome and Experiments Reveals the Anti-diabetic Mechanism of <i>Cyclocarya paliurus</i> Formula. <b>2018</b> , 13, 419-430	9
1619	Identification of key genes involved in catechin metabolism in tea seedlings based on transcriptomic and HPLC analysis. <b>2018</b> , 133, 107-115	18
1618	Elucidating the survival and response of carbapenem resistant <i>Klebsiella pneumoniae</i> after exposure to imipenem at sub-lethal concentrations. <b>2018</b> , 112, 378-386	5
1617	A genome-wide landscape of mRNAs, lncRNAs, and circRNAs during subcutaneous adipogenesis in pigs. <b>2018</b> , 9, 76	28
1616	Firefly genomes illuminate parallel origins of bioluminescence in beetles. <b>2018</b> , 7,	64
1615	Developmental dynamics of stem starch accumulation in. <b>2018</b> , 2, e00074	10
1614	Regulation of Neuroregeneration by Long Noncoding RNAs. <b>2018</b> , 72, 553-567.e5	42
1613	Genome-wide mapping reveals conserved and diverged R-loop activities in the unusual genetic landscape of the African trypanosome genome. <b>2018</b> , 46, 11789-11805	16
1612	Sweet Sorghum Originated through Selection of , a Plant-Specific NAC Transcription Factor Gene. <b>2018</b> , 30, 2286-2307	27
1611	Molecular role of cytokinin in bud activation and outgrowth in apple branching based on transcriptomic analysis. <b>2018</b> , 98, 261-274	11
1610	Increasing G9a automethylation sensitizes B acute lymphoblastic leukemia cells to glucocorticoid-induced death. <b>2018</b> , 9, 1038	15
1609	Targeting hepatic miR-221/222 for therapeutic intervention of nonalcoholic steatohepatitis in mice. <b>2018</b> , 37, 307-321	24

1608	Salinity stress-responsive transcription factors in the liverwort. <b>2018</b> , 35, 281-284	5
1607	The Landscape of Repetitive Elements in the Refined Genome of Chilli Anthracnose Fungus. <b>2018</b> , 9, 2367	10
1606	Assembling the genome of the African wild rice by exploiting synteny in closely related species. <b>2018</b> , 1, 162	22
1605	"": A Draft Genome Assembly, Liver Transcriptome, and Nutrigenomics of the European Sardine,. <b>2018</b> , 9,	24
1604	Analysis of changes to lncRNAs and their target mRNAs in murine jejunum after radiation treatment. <b>2018</b> , 22, 6357-6367	8
1603	Determination of single embryo sex in <i>Macaca mulatta</i> and <i>Mus musculus</i> RNA-Seq transcriptome profiles. <b>2018</b> , 50, 628-635	1
1602	A Comparative Assessment of Human and Chimpanzee iPSC-derived Cardiomyocytes with Primary Heart Tissues. <b>2018</b> , 8, 15312	28
1601	A distinct strain of <i>Arsenophonus</i> symbiont decreases insecticide resistance in its insect host. <b>2018</b> , 14, e1007725	31
1600	Elucidation and analyses of the regulatory networks of upland and lowland ecotypes of switchgrass in response to drought and salt stresses. <b>2018</b> , 13, e0204426	3
1599	Cis-regulated alternative splicing divergence and its potential contribution to environmental responses in <i>Arabidopsis</i> . <b>2019</b> , 97, 555-570	14
1598	PRMT2 links histone H3R8 asymmetric dimethylation to oncogenic activation and tumorigenesis of glioblastoma. <b>2018</b> , 9, 4552	35
1597	Genome sequence of the cauliflower mushroom <i>Sparassis crispa</i> (Hanabiratake) and its association with beneficial usage. <b>2018</b> , 8, 16053	14
1596	Silencing of retrotransposon-derived imprinted gene RTL1 is the main cause for postimplantational failures in mammalian cloning. <b>2018</b> , 115, E11071-E11080	14
1595	The Transcriptional Response of <i>Aedes aegypti</i> with Variable Extrinsic Incubation Periods for Dengue Virus. <b>2018</b> , 10, 3141-3151	5
1594	Targeted Diet Modification Reduces Multiple Sclerosis-like Disease in Adult Marmoset Monkeys from an Outbred Colony. <b>2018</b> , 201, 3229-3243	21
1593	Neurokinin-3 receptor activation selectively prolongs atrial refractoriness by inhibition of a background K channel. <b>2018</b> , 9, 4357	6
1592	EBP1 nuclear accumulation negatively feeds back on FERONIA-mediated RALF1 signaling. <b>2018</b> , 16, e2006340	35
1591	Transposon mutagenesis screen in mice identifies TM9SF2 as a novel colorectal cancer oncogene. <b>2018</b> , 8, 15327	10

1590	Identification of Genes Encoding Enzymes Catalyzing the Early Steps of Carrot Polyacetylene Biosynthesis. <b>2018</b> , 178, 1507-1521	17
1589	Down-Regulation of hspb9 and hspb11 Contributes to Wavy Notochord in Zebrafish Embryos Following Exposure to Polychlorinated Diphenylsulfides. <b>2018</b> , 52, 12829-12840	5
1588	Differential Expression Analysis of RNA-seq Reads: Overview, Taxonomy, and Tools. <b>2020</b> , 17, 566-586	9
1587	A combination of curcumin and oligomeric proanthocyanidins offer superior anti-tumorigenic properties in colorectal cancer. <b>2018</b> , 8, 13869	39
1586	The mA-methylase complex recruits TREX and regulates mRNA export. <b>2018</b> , 8, 13827	50
1585	Insights into respiratory disease through bioinformatics. <b>2018</b> , 23, 1117-1126	11
1584	Air Pollution, Autophagy, and Skin Aging: Impact of Particulate Matter (PM) on Human Dermal Fibroblasts. <b>2018</b> , 19,	48
1583	Suppression of Plant Immunity by Fungal Chitinase-like Effectors. <b>2018</b> , 28, 3023-3030.e5	31
1582	De novo mutations in MSL3 cause an X-linked syndrome marked by impaired histone H4 lysine 16 acetylation. <b>2018</b> , 50, 1442-1451	19
1581	Transcriptomic Characterization of a Chicken Embryo Model Infected With Duck Hepatitis A Virus Type 1. <b>2018</b> , 9, 1845	10
1580	The influence of retinoic acid-induced differentiation on the radiation response of male germline stem cells. <b>2018</b> , 70, 55-66	12
1579	Unique Molecular Identifiers reveal a novel sequencing artefact with implications for RNA-Seq based gene expression analysis. <b>2018</b> , 8, 13121	24
1578	A Bioinformatics Pipeline for the Analysis and Target Prediction of RNA Effectors in Bidirectional Communication During Plant-Microbe Interactions. <b>2018</b> , 9, 1212	9
1577	MKK6 Functions in Two Parallel MAP Kinase Cascades in Immune Signaling. <b>2018</b> , 178, 1284-1295	19
1576	Genome organization and chromatin analysis identify transcriptional downregulation of insulin-like growth factor signaling as a hallmark of aging in developing B cells. <b>2018</b> , 19, 126	12
1575	A New Machine Learning-Based Framework for Mapping Uncertainty Analysis in RNA-Seq Read Alignment and Gene Expression Estimation. <b>2018</b> , 9, 313	11
1574	Transcriptome profiling of the cardiac neural crest reveals a critical role for MafB. <b>2018</b> , 444 Suppl 1, S209-S218	18
1573	Recurrent WNT pathway alterations are frequent in relapsed small cell lung cancer. <b>2018</b> , 9, 3787	63

1572	Detection of ERV-Derived Transcripts in Human Testis Using High Throughput Sequencing: Pipeline for Annotation and Genomic Localization. <b>2018,</b>	0
1571	Two Likely Auto-Tetraploidization Events Shaped Kiwifruit Genome and Contributed to Establishment of the Actinidiaceae Family. <b>2018, 7, 230-240</b>	14
1570	Alpha kinase 1 controls intestinal inflammation by suppressing the IL-12/Th1 axis. <b>2018, 9, 3797</b>	24
1569	Tip60 complex promotes expression of a differentiation factor to regulate germline differentiation in female <i>Drosophila</i> . <b>2018, 29, 2933-2945</b>	15
1568	OBSOLETE: Bioinformatics Principles for Deciphering Cardiovascular Diseases. <b>2018,</b>	1
1567	Homologous recombination is an intrinsic defense against antiviral RNA interference. <b>2018, 115, E9211-E9219</b>	8
1566	Global Analysis of Baculovirus <i>Autographa californica</i> Multiple Nucleopolyhedrovirus Gene Expression in the Midgut of the Lepidopteran Host <i>Trichoplusia ni</i> . <b>2018, 92,</b>	17
1565	Transcriptomic analysis of male and female <i>Schistosoma mekongi</i> adult worms. <b>2018, 11, 504</b>	14
1564	SCA8 RAN polySer protein preferentially accumulates in white matter regions and is regulated by eIF3F. <b>2018, 37,</b>	27
1563	Insights into the Evolution of Multicellularity from the Sea Lettuce Genome. <b>2018, 28, 2921-2933.e5</b>	75
1562	Efficient and Accurate Quantitative Profiling of Alternative Splicing Patterns of Any Complexity on a Laptop. <b>2018, 72, 187-200.e6</b>	57
1561	Transcriptomic analyses of cacao cell suspensions in light and dark provide target genes for controlled flavonoid production. <b>2018, 8, 13575</b>	10
1560	Subtle left-right asymmetry of gene expression profiles in embryonic and foetal human brains. <b>2018, 8, 12606</b>	34
1559	A space and time-efficient index for the compacted colored de Bruijn graph. <b>2018, 34, i169-i177</b>	38
1558	The RNA exosome contributes to gene expression regulation during stem cell differentiation. <b>2018, 46, 11502-11513</b>	27
1557	Transcriptome Analysis of US6-1 Reveals the Rsh Regulon and Potential Molecular Mechanisms of -acyl-l-homoserine Lactone Accumulation. <b>2018, 19,</b>	3
1556	Activation of BDNF-TrkB signaling pathway-regulated brain inflammation in pentylene-tetrazole-induced seizures in zebrafish. <b>2018, 83, 26-36</b>	20
1555	Transcriptomic and functional analysis of cucumber ( <i>Cucumis sativus</i> L.) fruit phloem during early development. <b>2018, 96, 982-996</b>	14



1554	Mutant NPM1 Maintains the Leukemic State through HOX Expression. <b>2018</b> , 34, 499-512.e9	114
1553	Incipient de novo genes can evolve from frozen accidents that escaped rapid transcript turnover. <b>2018</b> , 2, 1626-1632	35
1552	Chromosome-level reference genome and alternative splicing atlas of moso bamboo ( <i>Phyllostachys edulis</i> ). <b>2018</b> , 7,	48
1551	DNA methylation footprints during soybean domestication and improvement. <b>2018</b> , 19, 128	36
1550	Small RNAs from cereal powdery mildew pathogens may target host plant genes. <b>2018</b> , 122, 1050-1063	21
1549	Cxhc Finger Protein 1 Positively Regulates GM-CSF-Derived Macrophage Phagocytosis Through Csf2r $\beta$ -Mediated Signaling. <b>2018</b> , 9, 1885	8
1548	Improved RNA-seq Workflows Using CyVerse Cyberinfrastructure. <b>2018</b> , 63, e53	2
1547	Comprehensive innate immune profiling of chikungunya virus infection in pediatric cases. <b>2018</b> , 14, e7862	40
1546	Biomass-degrading enzymes are catabolite repressed in anaerobic gut fungi. <b>2018</b> , 64, 4263-4270	17
1545	Inducible developmental reprogramming redefines commitment to sexual development in the malaria parasite <i>Plasmodium berghei</i> . <b>2018</b> , 3, 1206-1213	43
1544	A survey on cellular RNA editing activity in response to <i>Candida albicans</i> infections. <b>2018</b> , 19, 43	1
1543	Opposite Polarity Monospore Genome De Novo Sequencing and Comparative Analysis Reveal the Possible Heterothallic Life Cycle of. <b>2018</b> , 19,	19
1542	Differential Splicing of ANP32A in Birds Alters Its Ability to Stimulate RNA Synthesis by Restricted Influenza Polymerase. <b>2018</b> , 24, 2581-2588.e4	38
1541	Internal RNAs overlapping coding sequences can drive the production of alternative proteins in archaea. <b>2018</b> , 15, 1119-1132	5
1540	The temporal landscape of recursive splicing during Pol II transcription elongation in human cells. <b>2018</b> , 14, e1007579	9
1539	Numerous recursive sites contribute to accuracy of splicing in long introns in flies. <b>2018</b> , 14, e1007588	9
1538	Epigenetic and Transcriptomic Profiling of Mammary Gland Development and Tumor Models Disclose Regulators of Cell State Plasticity. <b>2018</b> , 34, 466-482.e6	72
1537	Capsid-CPSF6 Interaction Licenses Nuclear HIV-1 Trafficking to Sites of Viral DNA Integration. <b>2018</b> , 24, 392-404.e8	96

1536	Porcine Fetal-Derived Fibroblasts Alter Gene Expression and Mitochondria to Compensate for Hypoxic Stress During Culture. <b>2018</b> , 20, 225-235	4
1535	The opium poppy genome and morphinan production. <b>2018</b> , 362, 343-347	118
1534	An Efficient Algorithm for Mapping of Reads to a Genome Graph Using an Index Based on Hash Tables and Dynamic Programming. <b>2018</b> , 63, 311-317	2
1533	Novel roles for scleraxis in regulating adult tenocyte function. <b>2018</b> , 19, 14	23
1532	Transcriptome analysis of <i>Valsa mali</i> reveals its response mechanism to the biocontrol actinomycete <i>Saccharothrix yanglingensis</i> Hhs.015. <b>2018</b> , 18, 90	4
1531	Developmental system drift in motor ganglion patterning between distantly related tunicates. <b>2018</b> , 9, 18	7
1530	Genome Sequence Resources for the Wheat Stripe Rust Pathogen ( <i>Puccinia striiformis</i> f. sp. <i>tritici</i> ) and the Barley Stripe Rust Pathogen ( <i>Puccinia striiformis</i> f. sp. <i>hordei</i> ). <b>2018</b> , 31, 1117-1120	11
1529	Differential gene expression in <i>Escherichia coli</i> during aerosolization from liquid suspension. <b>2018</b> , 102, 6257-6267	13
1528	Extrathymically Generated Regulatory T Cells Establish a Niche for Intestinal Border-Dwelling Bacteria and Affect Physiologic Metabolite Balance. <b>2018</b> , 48, 1245-1257.e9	59
1527	Deciphering the behaviour manipulation imposed by a virus on its parasitoid host: insights from a dual transcriptomic approach. <b>2018</b> , 145, 1979-1989	5
1526	Current and Future Methods for mRNA Analysis: A Drive Toward Single Molecule Sequencing. <b>2018</b> , 1783, 209-241	22
1525	A Guide for Designing and Analyzing RNA-Seq Data. <b>2018</b> , 1783, 35-80	13
1524	Advances of DNase-seq for mapping active gene regulatory elements across the genome in animals. <b>2018</b> , 667, 83-94	9
1523	Gene Expression Analysis. <b>2018</b> ,	1
1522	Genome-wide regulatory deterioration impedes adaptive responses to stress in inbred populations of <i>Drosophila melanogaster</i> . <b>2018</b> , 72, 1614	4
1521	The Memory of Environmental Chemical Exposure in <i>C. elegans</i> Is Dependent on the Jumonji Demethylases <i>jmjd-2</i> and <i>jmjd-3/utx-1</i> . <b>2018</b> , 23, 2392-2404	32
1520	An integrated biomanufacturing platform for the large-scale expansion and neuronal differentiation of human pluripotent stem cell-derived neural progenitor cells. <b>2018</b> , 74, 168-179	7
1519	High Throughput Sequencing-Based Approaches for Gene Expression Analysis. <b>2018</b> , 1783, 299-323	5

1518	Raphidocelis subcapitata (=Pseudokirchneriella subcapitata) provides an insight into genome evolution and environmental adaptations in the Sphaeropleales. <b>2018</b> , 8, 8058	27
1517	Antler extracts stimulate chondrocyte proliferation and possess potent anti-oxidative, anti-inflammatory, and immune-modulatory properties. <b>2018</b> , 54, 439-448	17
1516	FITNESS, a CCT domain-containing protein, deregulates reactive oxygen species levels and leads to fine-tuning trade-offs between reproductive success and defence responses in Arabidopsis. <b>2018</b> , 41, 2328-2341	6
1515	Communication Between Enteric Neurons, Glia, and Nociceptors Underlies the Effects of Tachykinins on Neuroinflammation. <b>2018</b> , 6, 321-344	40
1514	De novo genome assembly of the red silk cotton tree ( <i>Bombax ceiba</i> ). <b>2018</b> , 7,	10
1513	Bioinformatics Principles for Deciphering Cardiovascular Diseases. <b>2018</b> , 273-292	2
1512	Identification of Differentially Expressed Genes in Porcine Ovaries at Proestrus and Estrus Stages Using RNA-Seq Technique. <b>2018</b> , 2018, 9150723	5
1511	Fern genomes elucidate land plant evolution and cyanobacterial symbioses. <b>2018</b> , 4, 460-472	176
1510	The -miR399 Regulatory Module Is Important for Low Phosphate Tolerance in Maize. <b>2018</b> , 177, 1743-1753	65
1509	Genome-Wide Association Analyses Reveal the Importance of Alternative Splicing in Diversifying Gene Function and Regulating Phenotypic Variation in Maize. <b>2018</b> , 30, 1404-1423	23
1508	Identification of Wheat Inflorescence Development-Related Genes Using a Comparative Transcriptomics Approach. <b>2018</b> , 2018, 6897032	3
1507	High Throughput Single Cell RNA Sequencing, Bioinformatics Analysis and Applications. <b>2018</b> , 1068, 33-43	25
1506	Genome-wide screening of long non-coding RNAs involved in rubber biosynthesis in <i>Eucommia ulmoides</i> . <b>2018</b> , 60, 1070-1082	9
1505	Integrated transcriptomics and metabolomics reveal signatures of lipid metabolism dysregulation in HepaRG liver cells exposed to PCB 126. <b>2018</b> , 92, 2533-2547	36
1504	Practical Computational Reproducibility in the Life Sciences. <b>2018</b> , 6, 631-635	66
1503	Lamins Organize the Global Three-Dimensional Genome from the Nuclear Periphery. <b>2018</b> , 71, 802-815.e7	98
1502	Genome-scale analysis identifies paralog lethality as a vulnerability of chromosome 1p loss in cancer. <b>2018</b> , 50, 937-943	35
1501	Single Cell Biomedicine. <b>2018</b> ,	0

1500	Uterine glands coordinate on-time embryo implantation and impact endometrial decidualization for pregnancy success. <b>2018</b> , 9, 2435	61
1499	CGT-seq: epigenome-guided de novo assembly of the core genome for divergent populations with large genome. <b>2018</b> , 46, e107	6
1498	Landscape of the genome and host cell response of <i>Mycobacterium shigaense</i> reveals pathogenic features. <b>2018</b> , 7, 112	2
1497	Switching roles for DNA and histone methylation depend on evolutionary ages of human endogenous retroviruses. <b>2018</b> , 28, 1147-1157	47
1496	CRISPR/Cas9-mediated gene knockout reveals a guardian role of NF- $\kappa$ B/RelA in maintaining the homeostasis of human vascular cells. <b>2018</b> , 9, 945-965	15
1495	Genome-wide transcriptomics analysis of genes regulated by GATA4, 5 and 6 during cardiomyogenesis in. <b>2018</b> , 17, 559-563	1
1494	The Protozoan Parasite <i>Toxoplasma gondii</i> Selectively Reprograms the Host Cell Translatome. <b>2018</b> , 86,	14
1493	Informatic Analysis of Sequence Data from Batch Yeast 2-Hybrid Screens. <b>2018</b> ,	3
1492	Single-cell RNA-seq reveals hidden transcriptional variation in malaria parasites. <b>2018</b> , 7,	94
1491	Influences of sire conception rate on pregnancy establishment in dairy cattle. <b>2018</b> , 99, 1244-1254	24
1490	High-quality assembly of the reference genome for scarlet sage, <i>Salvia splendens</i> , an economically important ornamental plant. <b>2018</b> , 7,	26
1489	CD271 Cells Are Diagnostic and Prognostic and Exhibit Elevated MAPK Activity in SHH Medulloblastoma. <b>2018</b> , 78, 4745-4759	16
1488	Extensive intraspecific gene order and gene structural variations between Mo17 and other maize genomes. <b>2018</b> , 50, 1289-1295	201
1487	Loss of Nucleobindin-2 Causes Insulin Resistance in Obesity without Impacting Satiety or Adiposity. <b>2018</b> , 24, 1085-1092.e6	12
1486	Colony-Stimulating Factor 1 Receptor (CSF1R) Regulates Microglia Density and Distribution, but Not Microglia Differentiation In Vivo. <b>2018</b> , 24, 1203-1217.e6	67
1485	De novo assembly of a young <i>Drosophila</i> Y chromosome using single-molecule sequencing and chromatin conformation capture. <b>2018</b> , 16, e2006348	48
1484	The LIN28B-IMP1 post-transcriptional regulon has opposing effects on oncogenic signaling in the intestine. <b>2018</b> , 32, 1020-1034	9
1483	Dynamic temperature-sensitive A-to-I RNA editing in the brain of a heterothermic mammal during hibernation. <b>2018</b> , 24, 1481-1495	17

1482	Transcriptome Analysis Reveals Multiple Hormones, Wounding and Sugar Signaling Pathways Mediate Adventitious Root Formation in Apple Rootstock. <b>2018</b> , 19,	28
1481	Transcriptional Convergence of Oligodendrocyte Lineage Progenitors during Development. <b>2018</b> , 46, 504-517.e7	104
1480	Cytokine Regulation in Human CD4 T Cells by the Aryl Hydrocarbon Receptor and Gq-Coupled Receptors. <b>2018</b> , 8, 10954	11
1479	Lossy Compression of Quality Scores in Differential Gene Expression: A First Assessment and Impact Analysis. <b>2018</b> ,	1
1478	EHP-101, an oral formulation of the cannabidiol aminoquinone VCE-004.8, alleviates bleomycin-induced skin and lung fibrosis. <b>2018</b> , 157, 304-313	13
1477	Insights into the cotton anther development through association analysis of transcriptomic and small RNA sequencing. <b>2018</b> , 18, 154	8
1476	The hpRNA/RNAi Pathway Is Essential to Resolve Intragenomic Conflict in the Drosophila Male Germline. <b>2018</b> , 46, 316-326.e5	41
1475	In silico mapping of quantitative trait loci (QTL) regulating the milk ionome in mice identifies a milk iron locus on chromosome 1. <b>2018</b> , 29, 632-655	4
1474	mTOR Complex 1 Implicated in Aphid/ Host/Symbiont Integration. <b>2018</b> , 8, 3083-3091	4
1473	Regulates Sexually Dimorphic Gene Expression in Zebrafish Liver. <b>2018</b> , 9, 676	7
1472	Comparative Transcriptome and Microscopy Analyses Provide Insights into Flat Shape Formation in Peach (). <b>2017</b> , 8, 2215	21
1471	Parental Expression Variation of Small RNAs Is Negatively Correlated with Grain Yield Heterosis in a Maize Breeding Population. <b>2018</b> , 9, 13	13
1470	Anther Morphological Development and Stage Determination in. <b>2018</b> , 9, 228	29
1469	Identifying Host Molecular Features Strongly Linked With Responses to Huanglongbing Disease in Citrus Leaves. <b>2018</b> , 9, 277	15
1468	Genome-Wide Gene Expression Disturbance by Single A1/C1 Chromosome Substitution in Restituted From Natural. <b>2018</b> , 9, 377	5
1467	MFS Transporters and GABA Metabolism Are Involved in the Self-Defense Against DON in. <b>2018</b> , 9, 438	9
1466	Massive Loss of DNA Methylation in Nitrogen-, but Not in Phosphorus-Deficient Roots Is Poorly Correlated With Gene Expression Differences. <b>2018</b> , 9, 497	20
1465	An Integration of Genome-Wide Association Study and Gene Co-expression Network Analysis Identifies Candidate Genes of Stem Lodging-Related Traits in. <b>2018</b> , 9, 796	12

1464	CD11c MHCII GM-CSF-bone marrow-derived dendritic cells act as antigen donor cells and as antigen presenting cells in neopeptide-elicited tumor immunity against a mouse fibrosarcoma. <b>2018</b> , 67, 1449-1459	6
1463	Notch ligand Delta-like 4 induces epigenetic regulation of Treg cell differentiation and function in viral infection. <b>2018</b> , 11, 1524-1536	17
1462	Mutations in microRNA processing genes in Wilms tumors derepress the regulator. <b>2018</b> , 32, 996-1007	23
1461	Mycotoxin zearalenone exposure impairs genomic stability of swine follicular granulosa cells. <b>2018</b> , 14, 294-305	32
1460	Dissection of progenitor compartments resolves developmental trajectories in B-lymphopoiesis. <b>2018</b> , 215, 1947-1963	12
1459	HDncRNA: a comprehensive database of non-coding RNAs associated with heart diseases. <b>2018</b> , 2018,	14
1458	Systematic identification and annotation of multiple-variant compound effects at transcription factor binding sites in human genome. <b>2018</b> , 45, 373-379	3
1457	Leveraging multiple transcriptome assembly methods for improved gene structure annotation. <b>2018</b> , 7,	58
1456	Transcriptome analysis reveals the effects of grafting on sugar and linolenic acid metabolisms in fruits of cucumber with two different rootstocks. <b>2018</b> , 130, 289-302	13
1455	RNA-Seq Data Analysis, Applications and Challenges. <b>2018</b> , 82, 71-106	6
1454	A comparison of next-generation sequencing analysis methods for cancer xenograft samples. <b>2018</b> , 45, 345-350	2
1453	Transcriptome analysis of tomato ( <i>Solanum lycopersicum</i> L.) shoots reveals a crosstalk between auxin and strigolactone. <b>2018</b> , 13, e0201124	6
1452	Immune-Related Functional Differential Gene Expression in Koi Carp () after Challenge with. <b>2018</b> , 19,	12
1451	A comparison of heat-stress transcriptome changes between wild-type <i>Arabidopsis</i> pollen and a heat-sensitive mutant harboring a knockout of cyclic nucleotide-gated cation channel 16 ( <i>cngc16</i> ). <b>2018</b> , 19, 549	22
1450	Distinct tissue-specific transcriptional regulation revealed by gene regulatory networks in maize. <b>2018</b> , 18, 111	27
1449	Regulation of protein-coding gene and long noncoding RNA pairs in liver of conventional and germ-free mice following oral PBDE exposure. <b>2018</b> , 13, e0201387	13
1448	Transcriptome analysis of rhesus monkey failed-to-mature oocytes: deficiencies in transcriptional regulation and cytoplasmic maturation of the oocyte mRNA population. <b>2018</b> , 24, 478-494	11
1447	Genetic variants in fat- and short-tailed sheep from high-throughput RNA-sequencing data. <b>2018</b> , 49, 483-487	23

1446	A Novel Eukaryotic Denitrification Pathway in Foraminifera. <b>2018</b> , 28, 2536-2543.e5	43
1445	Combinatorial Approaches to Viral Attenuation. <b>2018</b> , 3,	3
1444	Limitations of alignment-free tools in total RNA-seq quantification. <b>2018</b> , 19, 510	42
1443	Parental high dietary arachidonic acid levels modulated the hepatic transcriptome of adult zebrafish ( <i>Danio rerio</i> ) progeny. <b>2018</b> , 13, e0201278	12
1442	RNA variant identification discrepancy among splice-aware alignment algorithms. <b>2018</b> , 13, e0201822	4
1441	Autophagy in Human Skin Fibroblasts: Impact of Age. <b>2018</b> , 19,	15
1440	Overcoming erlotinib resistance in EGFR mutation-positive lung adenocarcinomas through repression of phosphoglycerate dehydrogenase. <b>2018</b> , 8, 1808-1823	38
1439	Comparison of Burrows-Wheeler Transform-Based Mapping Algorithms Used in High-Throughput Whole-Genome Sequencing: Application to Illumina Data for Livestock Genomes. <b>2018</b> , 9, 35	21
1438	Transposable Element Genomic Fissuring in Is Associated With Genome Expansion and Dynamics of Host-Pathogen Genetic Interactions. <b>2018</b> , 9, 130	23
1437	Single Cell RNA Sequencing of Rare Immune Cell Populations. <b>2018</b> , 9, 1553	61
1436	Study of the Metatranscriptome of Eight Social and Solitary Wild Bee Species Reveals Novel Viruses and Bee Parasites. <b>2018</b> , 9, 177	42
1435	Identification and Characterization of Genes Involved in D-Allose Metabolism in Lineage II Strain of. <b>2018</b> , 9, 621	2
1434	Genetically Obese Human Gut Microbiota Induces Liver Steatosis in Germ-Free Mice Fed on Normal Diet. <b>2018</b> , 9, 1602	25
1433	Stable Knockdown in Self-Renewing Human Neural Precursors Promotes Premature Neural Differentiation. <b>2018</b> , 11, 178	13
1432	Necessity and Sufficiency of Ldb1 in the Generation, Differentiation and Maintenance of Non-photoreceptor Cell Types During Retinal Development. <b>2018</b> , 11, 271	3
1431	Relationship Among Intron Length, Gene Expression, and Nucleotide Diversity in the Pacific Oyster <i>Crassostrea gigas</i> . <b>2018</b> , 20, 676-684	6
1430	Salt Stress Induces Non-CG Methylation in Coding Regions of Barley Seedlings ( <i>Hordeum vulgare</i> ). <b>2018</b> , 2, 12	15
1429	A Key Gene, PLIN1, Can Affect Porcine Intramuscular Fat Content Based on Transcriptome Analysis. <b>2018</b> , 9,	24

1428	MCRiceRepGP: a framework for the identification of genes associated with sexual reproduction in rice. <b>2018</b> , 96, 188-202	10
1427	Characterization of lncRNAs involved in cold acclimation of zebrafish ZF4 cells. <b>2018</b> , 13, e0195468	6
1426	A genetic program mediates cold-warming response and promotes stress-induced phenoptosis in. <b>2018</b> , 7,	10
1425	Lung Innate Immunity and Inflammation. <b>2018</b> ,	
1424	Key Anti-Fibrosis Associated Long Noncoding RNAs Identified in Human Hepatic Stellate Cell via Transcriptome Sequencing Analysis. <b>2018</b> , 19,	14
1423	The DNA Methylome and Association of Differentially Methylated Regions with Differential Gene Expression during Heat Stress in. <b>2018</b> , 19,	30
1422	Transcriptome Analysis in Chinese Cabbage ( <i>Brassica rapa</i> ssp. <i>pekinensis</i> ) Provides the Role of Glucosinolate Metabolism in Response to Drought Stress. <b>2018</b> , 23,	35
1421	Transcriptome analysis of Cd-treated switchgrass root revealed novel transcripts and the importance of HSF/HSP network in switchgrass Cd tolerance. <b>2018</b> , 37, 1485-1497	17
1420	PLC and IP-evoked Ca release initiate the fast block to polyspermy in eggs. <b>2018</b> , 150, 1239-1248	10
1419	The TMEM16A channel mediates the fast polyspermy block in. <b>2018</b> , 150, 1249-1259	25
1418	COSSMO: predicting competitive alternative splice site selection using deep learning. <b>2018</b> , 34, i429-i437	24
1417	SL-quant: a fast and flexible pipeline to quantify spliced leader trans-splicing events from RNA-seq data. <b>2018</b> , 7,	6
1416	Differential lncRNA expression profiles reveal the potential roles of lncRNAs in antiviral immune response of <i>Crassostrea gigas</i> . <b>2018</b> , 81, 233-241	13
1415	Genome variants associated with RNA splicing variations in bovine are extensively shared between tissues. <b>2018</b> , 19, 521	19
1414	Single-cell mapping of the thymic stroma identifies IL-25-producing tuft epithelial cells. <b>2018</b> , 559, 622-626	122
1413	Identification of Long Non-Coding RNAs Related to Skeletal Muscle Development in Two Rabbit Breeds with Different Growth Rate. <b>2018</b> , 19,	11
1412	Computational Analysis of RNA-Seq Data from Airway Epithelial Cells for Studying Lung Disease. <b>2018</b> , 1809, 203-235	
1411	Sea turtle fibropapilloma tumors share genomic drivers and therapeutic vulnerabilities with human cancers. <b>2018</b> , 1, 63	24



1410	An early ABA-induced stomatal closure, Na <sup>+</sup> sequestration in leaf vein and K <sup>+</sup> retention in mesophyll confer salt tissue tolerance in Cucurbita species. <b>2018</b> , 69, 4945-4960	36
1409	Histone variant H2A.Z deposition and acetylation directs the canonical Notch signaling response. <b>2018</b> , 46, 8197-8215	25
1408	Transcriptome profile analysis identifies candidate genes for the melanin pigmentation of breast muscle in Muchuan black-boned chicken. <b>2018</b> , 97, 3446-3455	12
1407	Magnesium deficiency prevents high-fat-diet-induced obesity in mice. <b>2018</b> , 61, 2030-2042	9
1406	N-Methyladenine DNA Modification in the Human Genome. <b>2018</b> , 71, 306-318.e7	256
1405	Promotes Invasion through a 3'-Hairpin Structure and Associates with Prognosis in Glioblastoma. <b>2018</b> , 16, 1470-1482	24
1404	Myeloid Disease Mutations of Splicing Factor SRSF2 Cause G2-M Arrest and Skewed Differentiation of Human Hematopoietic Stem and Progenitor Cells. <b>2018</b> , 36, 1663-1675	11
1403	Upregulated structural and regulatory genes involved in anthocyanin biosynthesis for coloration of purple grains during the middle and late grain-filling stages. <b>2018</b> , 130, 235-247	11
1402	The leaf transcriptome of fennel ( <i>Foeniculum vulgare</i> Mill.) enables characterization of the t-anethole pathway and the discovery of microsatellites and single-nucleotide variants. <b>2018</b> , 8, 10459	11
1401	Piperlongumine potentiates the effects of gemcitabine in and human pancreatic cancer models. <b>2018</b> , 9, 10457-10469	18
1400	Novel Bioinformatics Approach Identifies Transcriptional Profiles of Lineage-Specific Transposable Elements at Distinct Loci in the Human Dorsolateral Prefrontal Cortex. <b>2018</b> , 35, 2435-2453	23
1399	Metabolic Flux Enhancement and Transcriptomic Analysis Displayed the Changes of Catechins Following Long-Term Pruning in Tea Trees ( <i>Camellia sinensis</i> ). <b>2018</b> , 66, 8566-8573	6
1398	SIRT1 Involved in the Regulation of Alternative Splicing Affects the DNA Damage Response in Neural Stem Cells. <b>2018</b> , 48, 657-669	9
1397	Whole Genome Sequence of the Parasitoid Wasp That Harbors an Endogenous Virus Mutualist. <b>2018</b> , 8, 2875-2880	23
1396	Integrated multifactor analysis explores core dysfunctional modules in autism spectrum disorder. <b>2018</b> , 14, 811-818	2
1395	Direct Reprogramming of Spiral Ganglion Non-neuronal Cells into Neurons: Toward Ameliorating Sensorineural Hearing Loss by Gene Therapy. <b>2018</b> , 6, 16	27
1394	Cross-species inference of long non-coding RNAs greatly expands the ruminant transcriptome. <b>2018</b> , 50, 20	24
1393	P_RNA_scaffolder: a fast and accurate genome scaffolder using paired-end RNA-sequencing reads. <b>2018</b> , 19, 175	23

1392	Structure and transcriptional regulation of the major intrinsic protein gene family in grapevine. <b>2018</b> , 19, 248	22
1391	OMGene: mutual improvement of gene models through optimisation of evolutionary conservation. <b>2018</b> , 19, 307	2
1390	QAPA: a new method for the systematic analysis of alternative polyadenylation from RNA-seq data. <b>2018</b> , 19, 45	77
1389	Comparative Transcriptomic Response of Primary and Immortalized Macrophages to Murine Norovirus Infection. <b>2018</b> , 200, 4157-4169	10
1388	RNA-Seq identification of candidate defense genes targeted by endophytic <i>Bacillus cereus</i> -mediated induced systemic resistance against <i>Meloidogyne incognita</i> in tomato. <b>2018</b> , 74, 2793-2805	7
1387	A Tandem Amino Acid Residue Motif in Guard Cell SLAC1 Anion Channel of Grasses Allows for the Control of Stomatal Aperture by Nitrate. <b>2018</b> , 28, 1370-1379.e5	29
1386	CsMYB36 is involved in the formation of yellow green peel in cucumber ( <i>Cucumis sativus</i> L.). <b>2018</b> , 131, 1659-1669	28
1385	Niche-mediated BMP/SMAD signaling regulates lung alveolar stem cell proliferation and differentiation. <b>2018</b> , 145,	106
1384	Transcriptome analysis reveals potential mechanisms for different grain size between natural and resynthesized allohexaploid wheats with near-identical AABB genomes. <b>2018</b> , 18, 28	11
1383	Maternal engineered nanomaterial inhalation during gestation alters the fetal transcriptome. <b>2018</b> , 15, 3	31
1382	Transcriptome analysis of pig intestinal cell monolayers infected with <i>Cryptosporidium parvum</i> asexual stages. <b>2018</b> , 11, 176	16
1381	Systemic inhibition of the membrane attack complex impedes neuroinflammation in chronic relapsing experimental autoimmune encephalomyelitis. <b>2018</b> , 6, 36	24
1380	Individual retrotransposon integrants are differentially controlled by KZFP/KAP1-dependent histone methylation, DNA methylation and TET-mediated hydroxymethylation in naïve embryonic stem cells. <b>2018</b> , 11, 7	23
1379	Sequencing Plant Genomes. <b>2018</b> , 109-193	4
1378	Comparative genomics of the nonlegume reveals insights into evolution of nitrogen-fixing rhizobium symbioses. <b>2018</b> , 115, E4700-E4709	128
1377	Bacteria-induced susceptibility to <i>Candida albicans</i> super-infection in mice via monocyte methyltransferase Setdb2. <b>2018</b> , 20, e12860	3
1376	Alterations in the transcription factors GntR1 and RamA enhance the growth and central metabolism of <i>Corynebacterium glutamicum</i> . <b>2018</b> , 48, 1-12	18
1375	Identification of novel transcripts and peptides in developing murine lens. <b>2018</b> , 8, 11162	2

1374	Transcriptional alterations during proliferation and lignification in <i>Phyllostachys nigra</i> cells. <b>2018</b> , 8, 11347	7
1373	Comparison of transcriptome responses to glyphosate, isoxaflutole, quizalofop-p-ethyl and mesotrione in the HepaRG cell line. <b>2018</b> , 5, 819-826	25
1372	Complementary iTRAQ-based proteomic and RNA sequencing-based transcriptomic analyses reveal a complex network regulating pomegranate ( <i>Punica granatum</i> L.) fruit peel colour. <b>2018</b> , 8, 12362	18
1371	mCCD cells show plasticity consistent with the ability to transition between principal and intercalated cells. <b>2018</b> , 314, F820-F831	8
1370	iMapSplice: Alleviating reference bias through personalized RNA-seq alignment. <b>2018</b> , 13, e0201554	4
1369	Telomeric epigenetic response mediated by Gadd45a regulates stem cell aging and lifespan. <b>2018</b> , 19,	9
1368	Mechanism of Fibrosis in -Related Autosomal Dominant Tubulointerstitial Kidney Disease. <b>2018</b> , 29, 2493-2509	28
1367	Substantial Epigenetic Variation Causing Flower Color Chimerism in the Ornamental Tree Revealed by Single Base Resolution Methylome Detection and Transcriptome Sequencing. <b>2018</b> , 19,	10
1366	Integrative transcriptome and microRNome analysis identifies dysregulated pathways in human Sertoli cells exposed to TCDD. <b>2018</b> , 409, 112-118	9
1365	Minor spliceosome inactivation causes microcephaly, owing to cell cycle defects and death of self-amplifying radial glial cells. <b>2018</b> , 145,	22
1364	Sexually dimorphic behavior, neuronal activity, and gene expression in <i>Chd8</i> -mutant mice. <b>2018</b> , 21, 1218-1228	73
1363	In-depth comparative analysis of malaria parasite genomes reveals protein-coding genes linked to human disease in <i>Plasmodium falciparum</i> genome. <b>2018</b> , 19, 312	3
1362	Gene Prediction in the Barley Genome. <b>2018</b> , 73-88	
1361	Zearalenone exposure elevated the expression of tumorigenesis genes in mouse ovarian granulosa cells. <b>2018</b> , 356, 191-203	18
1360	Functional diversity of <i>TMPRSS6</i> isoforms and variants expressed in hepatocellular carcinoma cell lines. <b>2018</b> , 8, 12562	6
1359	BED-domain-containing immune receptors confer diverse resistance spectra to yellow rust. <b>2018</b> , 4, 662-668	101
1358	Next-Generation Transcriptome Assembly: Strategies and Performance Analysis. <b>2018</b> ,	11
1357	A Zombie LIF Gene in Elephants Is Upregulated by TP53 to Induce Apoptosis in Response to DNA Damage. <b>2018</b> , 24, 1765-1776	45

1356	The chromosome-level genome assemblies of two rattans ( <i>Calamus simplicifolius</i> and <i>Daemonorops jenkinsiana</i> ). <b>2018</b> , 7,	11
1355	Modulating plant growth-metabolism coordination for sustainable agriculture. <b>2018</b> , 560, 595-600	213
1354	Developmental Dynamics of Long Noncoding RNA Expression during Sexual Fruiting Body Formation in <i>Fusarium graminearum</i> . <b>2018</b> , 9,	25
1353	A novel role for C-C motif chemokine receptor 2 during infection with hypervirulent <i>Mycobacterium tuberculosis</i> . <b>2018</b> , 11, 1727-1742	19
1352	Shifting the limits in wheat research and breeding using a fully annotated reference genome. <b>2018</b> , 361,	1296
1351	Loss of SETDB1 decompacts the inactive X chromosome in part through reactivation of an enhancer in the <i>IL1RAPL1</i> gene. <b>2018</b> , 11, 45	9
1350	A model of combined D-2- and L-2-hydroxyglutaric aciduria reveals a mechanism linking mitochondrial citrate export with oncometabolite accumulation. <b>2018</b> , 11,	14
1349	Differential and Interactive Effects of Substrate Topography and Chemistry on Human Mesenchymal Stem Cell Gene Expression. <b>2018</b> , 19,	23
1348	Regulation of the $\beta$ cell inflammasome and contribution to stress-induced cellular dysfunction and apoptosis. <b>2018</b> , 478, 106-114	10
1347	The Genetics of a Behavioral Speciation Phenotype in an Island System. <b>2018</b> , 9,	12
1346	The Long Noncoding RNA Landscape in Amygdala Tissues from Schizophrenia Patients. <b>2018</b> , 34, 171-181	18
1345	Precardiac organoids form two heart fields via Bmp/Wnt signaling. <b>2018</b> , 9, 3140	60
1344	Transcriptomic insight into nitrogen uptake and metabolism of <i>Populus simonii</i> in response to drought and low nitrogen stresses. <b>2018</b> , 38, 1672-1684	14
1343	Algorithm for Physiological Interpretation of Transcriptome Profiling Data for Non-Model Organisms. <b>2018</b> , 52, 497-509	1
1342	Differentially expressed genes of HepG2 cells treated with gecko polypeptide mixture. <b>2018</b> , 9, 2723-2733	3
1341	Biology and genome of a newly discovered sibling species of <i>Caenorhabditis elegans</i> . <b>2018</b> , 9, 3216	44
1340	Homoeolog expression bias and expression level dominance in resynthesized allopolyploid <i>Brassica napus</i> . <b>2018</b> , 19, 586	42
1339	Transcriptome Sequencing Approaches to Elucidate Host-Microbe Interactions in Opportunistic Human Fungal Pathogens. <b>2019</b> , 422, 193-235	5

1338	DNA methylation regulates transcriptional homeostasis of algal endosymbiosis in the coral model <i>Aiptasia</i> . <b>2018</b> , 4, eaat2142	39
1337	Comparative performance of the BGISEQ-500 and Illumina HiSeq4000 sequencing platforms for transcriptome analysis in plants. <b>2018</b> , 14, 69	55
1336	Concerted regulation of mitochondrial and nuclear non-coding RNAs by a dual-targeted RNase Z. <b>2018</b> , 19,	36
1335	SIRT6 deficiency results in developmental retardation in cynomolgus monkeys. <b>2018</b> , 560, 661-665	91
1334	Mechanically induced development and maturation of human intestinal organoids in vivo. <b>2018</b> , 2, 429-442	54
1333	Mechanistic insights into anticancer properties of oligomeric proanthocyanidins from grape seeds in colorectal cancer. <b>2018</b> , 39, 767-777	20
1332	Dissection of Influenza Infection In Vivo by Single-Cell RNA Sequencing. <b>2018</b> , 6, 679-691.e4	96
1331	Bioorthogonal Metabolic Labeling of Nascent RNA in Neurons Improves the Sensitivity of Transcriptome-Wide Profiling. <b>2018</b> , 9, 1858-1865	6
1330	RegenDbase: a comparative database of noncoding RNA regulation of tissue regeneration circuits across multiple taxa. <b>2018</b> , 3, 10	13
1329	Epigenome-associated phenotypic acclimatization to ocean acidification in a reef-building coral. <b>2018</b> , 4, eaar8028	74
1328	Fungal Transcriptomics. <b>2018</b> , 1775, 83-92	
1327	no blokes Is Essential for Male Viability and X-Chromosome Gene Expression in the Australian Sheep Blowfly. <b>2018</b> , 28, 1987-1992.e3	16
1326	Improved de novo genome assembly and analysis of the Chinese cucurbit <i>Siraitia grosvenorii</i> , also known as monk fruit or luo-han-guo. <b>2018</b> , 7,	17
1325	Phylogenetic annotation and genomic architecture of opsin genes in Crustacea. <b>2018</b> , 825, 159-175	9
1324	Type I interferon signaling attenuates regulatory T cell function in viral infection and in the tumor microenvironment. <b>2018</b> , 14, e1006985	42
1323	Introns provide a platform for intergenic regulatory feedback of RPL22 paralogs in yeast. <b>2018</b> , 13, e0190685	3
1322	Expression profiling of disease progression in canine model of Duchenne muscular dystrophy. <b>2018</b> , 13, e0194485	11
1321	RNA-Seq analysis of transcriptome responses in Atlantic cod ( <i>Gadus morhua</i> ) precision-cut liver slices exposed to benzo[a]pyrene and 17 $\beta$ -ethynylestradiol. <b>2018</b> , 201, 174-186	27

1320	The role of the veA gene in adjusting developmental balance and environmental stress response in <i>Aspergillus cristatus</i> . <b>2018</b> , 122, 952-964	7
1319	Substrate-Specific Differential Gene Expression and RNA Editing in the Brown Rot Fungus <i>Fomitopsis pinicola</i> . <b>2018</b> , 84,	17
1318	Transcriptome profiling of immune-responsive genes in the intestine of <i>Cynoglossus semilaevis</i> GÜther challenged with <i>Shewanella algae</i> . <b>2018</b> , 80, 291-301	3
1317	<i>Tecia solanivora</i> infestation increases tuber starch accumulation in Pastusa Suprema potatoes. <b>2018</b> , 60, 1083-1096	1
1316	Impact of spliceosome mutations on RNA splicing in myelodysplasia: dysregulated genes/pathways and clinical associations. <b>2018</b> , 132, 1225-1240	90
1315	METTL3-mediated m6A modification is required for cerebellar development. <b>2018</b> , 16, e2004880	128
1314	Genome-wide identification and analysis of A-to-I RNA editing events in bovine by transcriptome sequencing. <b>2018</b> , 13, e0193316	16
1313	Transcriptomic Analysis of Red-Fleshed Apples Reveals the Novel Role of MdWRKY11 in Flavonoid and Anthocyanin Biosynthesis. <b>2018</b> , 66, 7076-7086	49
1312	and Are Redundant Genes That Encode Epigenetic Machinery Components in <i>Arabidopsis</i> . <b>2018</b> , 30, 1596-1616	10
1311	Thyroid transcriptome analysis reveals different adaptive responses to cold environmental conditions between two chicken breeds. <b>2018</b> , 13, e0191096	5
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1307	A modular transcriptional signature identifies phenotypic heterogeneity of human tuberculosis infection. <b>2018</b> , 9, 2308	88
1306	Chemical screen identifies a geroprotective role of quercetin in premature aging. <b>2019</b> , 10, 417-435	51
1305	Interpretation of differential gene expression results of RNA-seq data: review and integration. <b>2019</b> , 20, 2044-2054	54
1304	Compositional and transcriptomic analysis associated with cuticle lipid production on rosette and inflorescence stem leaves in the extremophyte <i>Thellungiella salsuginea</i> . <b>2019</b> , 165, 584-603	3
1303	Versatile interactions and bioinformatics analysis of noncoding RNAs. <b>2019</b> , 20, 1781-1794	9

1302	Sequence Analysis. <b>2019</b> , 292-322	3
1301	Next Generation Sequence Analysis. <b>2019</b> , 352-363	1
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1296	Ectopic expression of ORANGE promotes carotenoid accumulation and fruit development in tomato. <b>2019</b> , 17, 33-49	46
1295	HITS-CLIP reveals sex-differential RNA binding and alternative splicing regulation of SRm160 in <i>Drosophila</i> . <b>2019</b> , 11, 170-181	2
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1292	Histological, biochemical and transcriptomic analyses reveal liver damage in zebrafish ( <i>Danio rerio</i> ) exposed to phenanthrene. <b>2019</b> , 225, 108582	6
1291	Identification and tissue-expression profiling of novel chicken c-type lectin-like domain containing proteins as potential targets for carbohydrate-based vaccine strategies. <b>2019</b> , 114, 216-225	8
1290	Establishment of patient-derived xenograft model in ovarian cancer and its influence factors analysis. <b>2019</b> , 45, 2062-2073	8
1289	BART-Seq: cost-effective massively parallelized targeted sequencing for genomics, transcriptomics, and single-cell analysis. <b>2019</b> , 20, 155	12
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1287	Depletion of the MFAP1/SPP381 Splicing Factor Causes R-Loop-Independent Genome Instability. <b>2019</b> , 28, 1551-1563.e7	11
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1285	An improved genome assembly of the fluke <i>Schistosoma japonicum</i> . <b>2019</b> , 13, e0007612	25

1284	Long Non-Coding RNA Expression Levels Modulate Cell-Type-Specific Splicing Patterns by Altering Their Interaction Landscape with RNA-Binding Proteins. <b>2019</b> , 10,	8
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1276	Gene Coexpression Networks Reveal Key Drivers of Flavonoid Variation in Eleven Tea Cultivars (). <b>2019</b> , 67, 9967-9978	11
1275	Mammalian Annotation Database for improved annotation and functional classification of Omics datasets from less well-annotated organisms. <b>2019</b> , 2019,	11
1274	Genome-Wide Transcript and Small RNA Profiling Reveals Transcriptomic Responses to Heat Stress. <b>2019</b> , 181, 609-629	22
1273	Comprehensive analyses of long non-coding RNA expression profiles by RNA sequencing and exploration of their potency as biomarkers in psoriatic arthritis patients. <b>2019</b> , 20, 28	5
1272	Enhanced migration and adhesion of peripheral blood neutrophils from SAPHO patients revealed by RNA-Seq. <b>2019</b> , 14, 192	2
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1269	Genome-Wide Identification and Characterization of Long Noncoding RNAs of Brown to White Adipose Tissue Transformation in Goats. <b>2019</b> , 8,	8
1268	Patterns of conservation of spliceosomal intron structures and spliceosome divergence in representatives of the diplomonad and parabasalid lineages. <b>2019</b> , 19, 162	6
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1261	Chlorella vulgaris genome assembly and annotation reveals the molecular basis for metabolic acclimation to high light conditions. <b>2019</b> , 100, 1289-1305	18
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1258	A Gene Expression Atlas of the Domestic Water Buffalo (). <b>2019</b> , 10, 668	18
1257	A Species-Wide Inventory of NLR Genes and Alleles in Arabidopsis thaliana. <b>2019</b> , 178, 1260-1272.e14	125
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1253	A comprehensive examination of Nanopore native RNA sequencing for characterization of complex transcriptomes. <b>2019</b> , 10, 3359	88
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1250	Comprehensive analysis of differences of N-methyladenosine RNA methylomes between high-fat-fed and normal mouse livers. <b>2019</b> , 11, 1267-1282	36
1249	Comparative Transcriptome Analysis of Unusual Localized Skin Laxity in Sika Deer (). <b>2019</b> , 38, 670-677	

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1246	RNA sequencing: the teenage years. <b>2019</b> , 20, 631-656	519
1245	Epicardial cells derived from human embryonic stem cells augment cardiomyocyte-driven heart regeneration. <b>2019</b> , 37, 895-906	87
1244	Graph-based genome alignment and genotyping with HISAT2 and HISAT-genotype. <b>2019</b> , 37, 907-915	1854
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1242	SMCHD1 terminates the first embryonic genome activation event in mouse two-cell embryos and contributes to a transcriptionally repressive state. <b>2019</b> , 317, C655-C664	11
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1240	Biased gene retention during diploidization in Brassica linked to three-dimensional genome organization. <b>2019</b> , 5, 822-832	24
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1237	Moving Just Enough Deep Sequencing Data to Get the Job Done. <b>2019</b> , 13, 1177932219856359	2
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1235	Enhanced acid-stress tolerance in <i>Lactococcus lactis</i> NZ9000 by overexpression of ABC transporters. <b>2019</b> , 18, 136	15
1234	Differentially Expressed MiRNAs and tRNA Genes Affect Host Homeostasis During Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus Infections in Young Pigs. <b>2019</b> , 10, 691	5
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1231	Systematic identification and characterization of <i>Aedes aegypti</i> long noncoding RNAs (lncRNAs). <b>2019</b> , 9, 12147	20

1230	Transcriptome analysis of virulence-differentiated <i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i> isolates during cucumber colonisation reveals pathogenicity profiles. <b>2019</b> , 20, 570	5
1229	Comparative analysis of transcriptional profiles of <i>Schistosoma japonicum</i> adult worms derived from primary-infected and re-infected water buffaloes. <b>2019</b> , 12, 340	3
1228	BRCA2 abrogation triggers innate immune responses potentiated by treatment with PARP inhibitors. <b>2019</b> , 10, 3143	75
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1226	Domestication of marine microalga <i>Nannochloropsis oceanica</i> to freshwater medium and the physiological responses. <b>2019</b> , 37, 1353-1362	
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1222	Identification and Functional Investigation of Genome-Encoded, Small, Secreted Peptides in Plants. <b>2019</b> , 4, e20098	10
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1220	High-Quality Draft Genome Sequence of <i>Fusarium oxysporum</i> f. sp. Strain 160527, a Causal Agent of Panama Disease. <b>2019</b> , 8,	11
1219	Spatiotemporal Gene Coexpression and Regulation in Mouse Cardiomyocytes of Early Cardiac Morphogenesis. <b>2019</b> , 8, e012941	8
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1216	Effects of oxidative stress on sex-specific gene expression in the copepod <i>Tigriopus californicus</i> revealed by single individual RNA-seq. <b>2019</b> , 31, 100608	8
1215	Draft Genome Sequence of the Yeast , a Symbiont of the Small Hive Beetle. <b>2019</b> , 8,	0
1214	Metabolic Model of the -Tomato Interaction Reveals Metabolic Switches during Host Colonization. <b>2019</b> , 10,	14
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1211	Epimutations in Developmental Genes Underlie the Onset of Domestication in Farmed European Sea Bass. <b>2019</b> , 36, 2252-2264	24
1210	Effects of Different G-Protein $\beta$ Subunits on Growth, Development and Secondary Metabolism of M7. <b>2019</b> , 10, 1555	10
1209	Tracing the origin and evolution history of methylation-related genes in plants. <b>2019</b> , 19, 307	17
1208	Zscan4c activates endogenous retrovirus MERVL and cleavage embryo genes. <b>2019</b> , 47, 8485-8501	30
1207	Visualization and analysis of RNA-Seq assembly graphs. <b>2019</b> , 47, 7262-7275	1
1206	The bread wheat epigenomic map reveals distinct chromatin architectural and evolutionary features of functional genetic elements. <b>2019</b> , 20, 139	41
1205	De novo genome assembly of the endangered <i>Acer yangbiense</i> , a plant species with extremely small populations endemic to Yunnan Province, China. <b>2019</b> , 8,	21
1204	The effect of exposure time and concentration of airborne PM on lung injury in mice: A transcriptome analysis. <b>2019</b> , 26, 101264	24
1203	Uncovering the signaling landscape controlling breast cancer cell migration identifies novel metastasis driver genes. <b>2019</b> , 10, 2983	29
1202	Transcriptional reprogramming caused by the geminivirus Tomato yellow leaf curl virus in local or systemic infections in <i>Nicotiana benthamiana</i> . <b>2019</b> , 20, 542	11
1201	A novel ISCA2 variant responsible for an early-onset neurodegenerative mitochondrial disorder: a case report of multiple mitochondrial dysfunctions syndrome 4. <b>2019</b> , 19, 153	4
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1199	The effects of the neonicotinoid imidacloprid on gene expression and DNA methylation in the buff-tailed bumblebee <i>Bombus terrestris</i> . <b>2019</b> , 286, 20190718	18
1198	Identification of a Dominant Chlorosis Phenotype Through a Forward Screen of the cv. Kronos TILLING Population. <b>2019</b> , 10, 963	9
1197	Early Response of Radish to Heat Stress by Strand-Specific Transcriptome and miRNA Analysis. <b>2019</b> , 20,	14
1196	Microglial TREM-1 receptor mediates neuroinflammatory injury via interaction with SYK in experimental ischemic stroke. <b>2019</b> , 10, 555	63
1195	De novo assembly of a chromosome-level reference genome of red-spotted grouper ( <i>Epinephelus akaara</i> ) using nanopore sequencing and Hi-C. <b>2019</b> , 19, 1461-1469	26

1194	The prostate cancer risk variant rs55958994 regulates multiple gene expression through extreme long-range chromatin interaction to control tumor progression. <b>2019</b> , 5, eaaw6710	19
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1189	Crosstalk between chromatin structure, cohesin activity and transcription. <b>2019</b> , 12, 47	10
1188	Endothelial progenitor cell-derived exosomes facilitate vascular endothelial cell repair through shuttling miR-21-5p to modulate Thrombospondin-1 expression. <b>2019</b> , 133, 1629-1644	34
1187	Phased genome sequence of an interspecific hybrid flowering cherry, 'Somei-Yoshino' ( <i>Cerasus</i> $\times$ <i>yedoensis</i> ). <b>2019</b> , 26, 379-389	21
1186	Cell death regulation but not abscisic acid signaling is required for enhanced immunity to <i>Botrytis</i> in <i>Arabidopsis</i> cuticle-permeable mutants. <b>2019</b> , 70, 5971-5984	15
1185	Recurrent gene co-amplification on <i>Drosophila</i> X and Y chromosomes. <b>2019</b> , 15, e1008251	18
1184	Pipelinr: A Nextflow-Based Framework for the Definition of Sequencing Data Processing Pipelines. <b>2019</b> , 10, 614	10
1183	Multi-Omics Analysis of Fatty Alcohol Production in Engineered Yeasts and. <b>2019</b> , 10, 747	23
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1181	Molecular Characterisation of a Supergene Conditioning Super-High Vitamin C in Kiwifruit Hybrids. <b>2019</b> , 8,	3
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1174	Chromatin Profiling of the Repetitive and Nonrepetitive Genomes of the Human Fungal Pathogen <i>Candida albicans</i> . <b>2019</b> , 10,	10
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1172	Conservation and flexibility in the gene regulatory landscape of heliconiine butterfly wings. <b>2019</b> , 10, 15	14
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1170	Stabilizing heterochromatin by DGCR8 alleviates senescence and osteoarthritis. <b>2019</b> , 10, 3329	41
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1168	Magic-BLAST, an accurate RNA-seq aligner for long and short reads. <b>2019</b> , 20, 405	91
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1164	The relationship between cuticular lipids and associated gene expression in above ground organs of <i>Thellungiella salsugineum</i> (Pall.) Al-Shehbaz & Warwick. <b>2019</b> , 287, 110200	2
1163	mRNAs expression profiles of high glucose-induced memory in human umbilical vein endothelial cells. <b>2019</b> , 12, 1249-1261	2
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1160	Noninvasive Detection of High-Risk Adenomas Using Stool-Derived Eukaryotic RNA Sequences as Biomarkers. <b>2019</b> , 157, 884-887.e3	6
1159	Estrogen-independent molecular actions of mutant estrogen receptor 1 in endometrial cancer. <b>2019</b> , 29, 1429-1441	13

1158	The genome of , natural host for Lyme disease and other emerging infections. <b>2019</b> , 5, eaaw6441	12
1157	Prediction of regulatory long intergenic non-coding RNAs acting in trans through base-pairing interactions. <b>2019</b> , 20, 601	12
1156	Comparison of gene expression profile of the spinal cord of sprouting-capable neonatal and sprouting-incapable adult mice. <b>2019</b> , 20, 619	5
1155	Long noncoding RNA CCDC144NL-AS1 knockdown induces naïve-like state conversion of human pluripotent stem cells. <b>2019</b> , 10, 220	4
1154	Differential gene expression and gene ontologies associated with increasing water-stress in leaf and root transcriptomes of perennial ryegrass ( <i>Lolium perenne</i> ). <b>2019</b> , 14, e0220518	2
1153	The genome assembly and annotation of yellowhorn ( <i>Xanthoceras sorbifolium</i> Bunge). <b>2019</b> , 8,	20
1152	De novo assembly of the goldfish ( <i>Carrasius auratus</i> ) genome and the evolution of genes after whole-genome duplication. <b>2019</b> , 5, eaav0547	66
1151	Prediction of hub genes associated with intramuscular fat content in Nelore cattle. <b>2019</b> , 20, 520	9
1150	Isolation, culturing and gene expression profiling of inner mass cells from stable and vulnerable carotid atherosclerotic plaques. <b>2019</b> , 14, e0218892	3
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1148	Comprehensive dissection of transcript and metabolite shifts during seed germination and post-germination stages in poplar. <b>2019</b> , 19, 279	9
1147	Low Overnight Temperature-Induced Gibberellin Accumulation Increases Locule Number in Tomato. <b>2019</b> , 20,	1
1146	Transcriptional profiling unveils type I and II interferon networks in blood and tissues across diseases. <b>2019</b> , 10, 2887	32
1145	Long noncoding RNAs in <i>Brassica rapa</i> L. following vernalization. <b>2019</b> , 9, 9302	19
1144	Deep transcriptome analysis using RNA-Seq suggests novel insights into molecular aspects of fat-tail metabolism in sheep. <b>2019</b> , 9, 9203	12
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1142	mRNA transcription profile of potato ( <i>Solanum tuberosum</i> L.) in response to explant cutting. <b>2019</b> , 138, 143-152	7
1141	Transcriptome analysis of rice-seedling roots under soil salt stress using RNA-Seq method. <b>2019</b> , 13, 567-578	15

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1139	c-Kit-positive ILC2s exhibit an ILC3-like signature that may contribute to IL-17-mediated pathologies. <b>2019</b> , 20, 992-1003	80
1138	Cardiac transcriptome study of the effect of heat stress in yellow-feather broilers. <b>2019</b> , 18, 971-975	2
1137	Novel insights into endogenous RNA viral elements in and other arbovirus vector genomes. <b>2019</b> , 5, vez010	17
1136	From genomic to LC-MS/MS evidence: Analysis of PfEMP1 in Benin malaria cases. <b>2019</b> , 14, e0218012	5
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1134	A toolset of constitutive promoters for metabolic engineering of <i>Rhodospiridium toruloides</i> . <b>2019</b> , 18, 117	18
1133	Generation of pig induced pluripotent stem cells using an extended pluripotent stem cell culture system. <b>2019</b> , 10, 193	27
1132	Thioredoxin-A is a virulence factor and mediator of the type IV pilus system in <i>Acinetobacter baumannii</i> . <b>2019</b> , 14, e0218505	10
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1124	Whole Transcriptome Sequencing Reveals How Acupuncture and Moxibustion Increase Pregnancy Rate in Patients Undergoing In Vitro Fertilization-Embryo Transplantation. <b>2019</b> , 2019, 4179617	5
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1120	Alternating EM algorithm for a bilinear model in isoform quantification from RNA-seq data. <b>2020</b> , 36, 805-812	3
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1118	Physiological and Transcriptomic Analyses Elucidate That Exogenous Calcium Can Relieve Injuries to Potato Plants ( <i>L.</i> ) under Weak Light. <b>2019</b> , 20,	4
1117	mountainClimber Identifies Alternative Transcription Start and Polyadenylation Sites in RNA-Seq. <b>2019</b> , 9, 393-400.e6	3
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1113	Integration of Transcriptomics and Metabolomics for Pepper ( <i>L.</i> ) in Response to Heat Stress. <b>2019</b> , 20,	19
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1105	Extending Reliability of mmWave Radar Tracking and Detection via Fusion With Camera. <b>2019</b> , 7, 137065-137074	14

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1093	Single-Cell RNA Sequencing Resolves Spatiotemporal Development of Pre-thymic Lymphoid Progenitors and Thymus Organogenesis in Human Embryos. <b>2019</b> , 51, 930-948.e6	48
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1073	Candidate detoxification-related genes in brown planthopper, <i>Nilaparvata lugens</i> , in response to $\beta$ asarone based on transcriptomic analysis. <b>2019</b> , 185, 109735	5
1072	Circular RNA differential expression in blood cell populations and exploration of circRNA deregulation in pediatric acute lymphoblastic leukemia. <b>2019</b> , 9, 14670	42
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1058	A draft genome assembly of the solar-powered sea slug <i>Elysia chlorotica</i> . <b>2019</b> , 6, 190022	30
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1047	BBCancer: an expression atlas of blood-based biomarkers in the early diagnosis of cancers. <b>2020</b> , 48, D789-D796	22
1046	The PATRIC Bioinformatics Resource Center: expanding data and analysis capabilities. <b>2020</b> , 48, D606-D612	206
1045	Transcriptome and DNA Methylation Signatures Associated With Retinal Müller Glia Development, Injury Response, and Aging. <b>2019</b> , 60, 4436-4450	6
1044	Transcriptomic and presence/absence variation in the barley genome assessed from multi-tissue mRNA sequencing and their power to predict phenotypic traits. <b>2019</b> , 20, 787	5
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1041	Novel Mutations Segregating with Complete Androgen Insensitivity Syndrome and their Molecular Characteristics. <b>2019</b> , 20,	2
1040	Synthesis of Highly Monodisperse Cu <sub>2</sub> O Nanocrystals and Their Applications as Hole-Transporting Layers in Solution-Processed Light-Emitting Diodes. <b>2019</b> , 25, 14767-14770	4
1039	A Minimally Replicative Vaccine Protects Vaccinated Piglets Against Challenge With the Porcine Epidemic Diarrhea Virus. <b>2019</b> , 6, 347	2
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1037	A Functional Link between Nuclear RNA Decay and Transcriptional Control Mediated by the Polycomb Repressive Complex 2. <b>2019</b> , 29, 1800-1811.e6	17
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1031	A systemic study of indoxacarb resistance in <i>Spodoptera litura</i> revealed complex expression profiles and regulatory mechanism. <b>2019</b> , 9, 14997	19
1030	NPInter v4.0: an integrated database of ncRNA interactions. <b>2020</b> , 48, D160-D165	50
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1028	Spatial Transcriptomic and miRNA Analyses Revealed Genes Involved in the Mesometrial-Biased Implantation in Pigs. <b>2019</b> , 10,	4
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1020	RNA-seq analyses of <i>Arabidopsis thaliana</i> seedlings after exposure to blue-light phototropic stimuli in microgravity. <b>2019</b> , 106, 1466-1476	26
1019	The Leukemogenic TCF3-HLF Complex Rewires Enhancers Driving Cellular Identity and Self-Renewal Conferring EP300 Vulnerability. <b>2019</b> , 36, 630-644.e9	19
1018	Genomes of Subaerial Zygnematophyceae Provide Insights into Land Plant Evolution. <b>2019</b> , 179, 1057-1067.e1451	51
1017	Prefrontal cortex interneurons display dynamic sex-specific stress-induced transcriptomes. <b>2019</b> , 9, 292	19
1016	The <i>Loz1</i> transcription factor from <i>Schizosaccharomyces pombe</i> binds to <i>Loz1</i> response elements and represses gene expression when zinc is in excess. <b>2019</b> , 112, 1701-1717	2
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1009	Transcriptome analysis reveals a positive effect of brassinosteroids on the photosynthetic capacity of wucaï under low temperature. <b>2019</b> , 20, 810	21
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1002	Effective genome editing and identification of a regiospecific gallic acid 4--glycosyltransferase in pomegranate ( L.). <b>2019</b> , 6, 123	13
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986	Transcriptomic analysis unveils survival strategies of autotrophic <i>Haematococcus pluvialis</i> against high light stress. <b>2019</b> , 513, 734430		17
985	Modeling allele-specific expression at the gene and SNP levels simultaneously by a Bayesian logistic mixed regression model. <b>2019</b> , 20, 530		1
984	Exploration of tissue-specific gene expression patterns underlying timing of breeding in contrasting temperature environments in a song bird. <b>2019</b> , 20, 693		12
983	Identification of differentially expressed genes and pathways between intramuscular and abdominal fat-derived preadipocyte differentiation of chickens in vitro. <b>2019</b> , 20, 743		18
982	Genome-Wide Identification and Functional Prediction of Long Non-coding RNAs Involved in the Heat Stress Response in. <b>2019</b> , 10, 2336		12
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973	The <i>Zea mays</i> mutants opaque2 and opaque16 disclose lysine change in waxy maize as revealed by RNA-Seq. <b>2019</b> , 9, 12265	2
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947	Heterogenous nature of gene expression patterns in BRAF-like papillary thyroid carcinomas with BRAF. <b>2019</b> , 66, 607-613	1
946	Minor intron splicing revisited: identification of new minor intron-containing genes and tissue-dependent retention and alternative splicing of minor introns. <b>2019</b> , 20, 686	23
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944	mRNA and miRNA Expression Analysis Reveal the Regulation for Flower Spot Patterning in 'Panda'. <b>2019</b> , 20,	8
943	Single Amino Acid Change Underlies Distinct Roles of H2A.Z Subtypes in Human Syndrome. <b>2019</b> , 178, 1421-1436.e24	35

942	Dual RNA-seq uncovers the immune response of <i>Larimichthys crocea</i> to the <i>secY</i> gene of <i>Pseudomonas plecoglossicida</i> from the perspective of host-pathogen interactions. <b>2019</b> , 93, 949-957	9
941	PINOID is required for lateral organ morphogenesis and ovule development in cucumber. <b>2019</b> , 70, 5715-5730	8
940	Exposure to Broad-Spectrum Visible Light Causes Major Transcriptomic Changes in EGDe. <b>2019</b> , 85,	1
939	The metabolic network model of primed/naive human embryonic stem cells underlines the importance of oxidation-reduction potential and tryptophan metabolism in primed pluripotency. <b>2019</b> , 9, 71	3
938	Transcriptional Responses to IFN- $\beta$ Require Mediator Kinase-Dependent Pause Release and Mechanistically Distinct CDK8 and CDK19 Functions. <b>2019</b> , 76, 485-499.e8	24
937	Region-specific gene expression in the epididymis of Yak. <b>2019</b> , 139, 132-146	12
936	Next-generation unnatural monosaccharides reveal that ESRRB O-GlcNAcylation regulates pluripotency of mouse embryonic stem cells. <b>2019</b> , 10, 4065	54
935	Immediate Transcriptional Response to a Temperature Pulse under a Fluctuating Thermal Regime. <b>2019</b> , 59, 320-337	3
934	Differential transcriptome analysis of enterohemorrhagic <i>Escherichia coli</i> strains reveals differences in response to plant-derived compounds. <b>2019</b> , 19, 212	2
933	Best practices for bioinformatic characterization of neoantigens for clinical utility. <b>2019</b> , 11, 56	73
932	Transcriptomic and Metabolomics Analysis of Different Endosperm Region under Nitrogen Treatments. <b>2019</b> , 20,	6
931	Proteogenomics: From next-generation sequencing (NGS) and mass spectrometry-based proteomics to precision medicine. <b>2019</b> , 498, 38-46	25
930	Maintenance of High Genome Integrity over Vegetative Growth in the Fairy-Ring Mushroom <i>Marasmius oreades</i> . <b>2019</b> , 29, 2758-2765.e6	16
929	Haploinsufficiency of drives glucocorticoid resistance in adult acute lymphoblastic leukemia cells by down-regulating the mitochondrial apoptosis axis, and is sensitive to Bcl-2 blockage. <b>2019</b> , 19, 218	15
928	Transcriptome Analysis of Reveals Genes Associated With Carotenoid Synthesis and Identification of the Function of the Gene. <b>2019</b> , 10, 2105	12
927	Transcriptome Sequencing and Expression Analysis of Genes Related to Anthocyanin Biosynthesis in Leaves of <i>Malus Profusion</i> Infected by Japanese Apple Rust. <b>2019</b> , 10, 665	1
926	Nonreciprocal and Conditional Cooperativity Directs the Pioneer Activity of Pluripotency Transcription Factors. <b>2019</b> , 28, 2689-2703.e4	21
925	Transcriptome analysis revealed expression of genes related to anthocyanin biosynthesis in eggplant ( <i>Solanum melongena</i> L.) under high-temperature stress. <b>2019</b> , 19, 387	29

924	Lysosome-Rich Enterocytes Mediate Protein Absorption in the Vertebrate Gut. <b>2019</b> , 51, 7-20.e6	32
923	Mechanisms analysis of resistance to <i>Verticillium dahliae</i> in upland cotton conferred by overexpression of RPL18A-6 (Ribosomal Protein L18A-6). <b>2019</b> , 141, 111742	6
922	The population genetics of structural variants in grapevine domestication. <b>2019</b> , 5, 965-979	110
921	Immediate and deferred epigenomic signatures of in vivo neuronal activation in mouse hippocampus. <b>2019</b> , 22, 1718-1730	47
920	Different Pathways Mediate Amphotericin-Lactoferrin Drug Synergy in and. <b>2019</b> , 10, 2195	4
919	Tracing the first hematopoietic stem cell generation in human embryo by single-cell RNA sequencing. <b>2019</b> , 29, 881-894	68
918	AML Subtype Is a Major Determinant of the Association between Prognostic Gene Expression Signatures and Their Clinical Significance. <b>2019</b> , 28, 2866-2877.e5	7
917	Lactate and pyruvate promote oxidative stress resistance through hormetic ROS signaling. <b>2019</b> , 10, 653	66
916	Direct neuronal reprogramming of olfactory ensheathing cells for CNS repair. <b>2019</b> , 10, 646	10
915	Regulation of zebrafish dorsoventral patterning by phase separation of RNA-binding protein Rbm14. <b>2019</b> , 5, 37	6
914	Differential gene expression in non-transgenic and transgenic "M.26" apple overexpressing a peach CBF gene during the transition from eco-dormancy to bud break. <b>2019</b> , 6, 86	11
913	Loss of olfaction in sea snakes provides new perspectives on the aquatic adaptation of amniotes. <b>2019</b> , 286, 20191828	16
912	Genome-wide analysis of AGO, DCL and RDR gene families reveals RNA-directed DNA methylation is involved in fruit abscission in <i>Citrus sinensis</i> . <b>2019</b> , 19, 401	12
911	Possible Molecular Mechanisms for the Roles of MicroRNA-21 Played in Lung Cancer. <b>2019</b> , 18, 1533033819875130	130
910	Comparative transcriptome analysis to elucidate the therapeutic mechanism of colchicine against atrial fibrillation. <b>2019</b> , 119, 109422	5
909	Identification of differentially expressed genes and fusion genes associated with malignant progression of spinal cord gliomas by transcriptome analysis. <b>2019</b> , 9, 13583	3
908	A novel P300 inhibitor reverses DUX4-mediated global histone H3 hyperacetylation, target gene expression, and cell death. <b>2019</b> , 5, eaaw7781	28
907	A genome-wide association study explores the genetic determinism of host resistance to <i>Salmonella pullorum</i> infection in chickens. <b>2019</b> , 51, 51	3

906	Dysregulated expression of repetitive DNA in ER+/HER2- breast cancer. <b>2019</b> , 239, 36-45	9
905	Lipid and Cholesterol Homeostasis after Arsenic Exposure and Antibiotic Treatment in Mice: Potential Role of the Microbiota. <b>2019</b> , 127, 97002	26
904	Epigenetic re-wiring of breast cancer by pharmacological targeting of C-terminal binding protein. <b>2019</b> , 10, 689	4
903	Long-read assembly of the Chinese rhesus macaque genome and identification of ape-specific structural variants. <b>2019</b> , 10, 4233	26
902	Hibernation induces widespread transcriptional remodeling in metabolic tissues of the grizzly bear. <b>2019</b> , 2, 336	29
901	Assembly and Annotation of a Draft Genome of the Medicinal Plant. <b>2019</b> , 10, 1274	18
900	Hybrid de novo genome assembly of Chinese chestnut ( <i>Castanea mollissima</i> ). <b>2019</b> , 8,	30
899	Dynamic methylome of internal mRNA N-methylguanosine and its regulatory role in translation. <b>2019</b> , 29, 927-941	50
898	Assessment of kinship detection using RNA-seq data. <b>2019</b> , 47, e136	5
897	Comparative transcriptome profiling reveals the reprogramming of gene networks under arsenic stress in Indian mustard. <b>2019</b> , 62, 833-847	8
896	Construction of pseudomolecule sequences of <i>Brassica rapa</i> ssp. <i>pekinensis</i> inbred line CT001 and analysis of spontaneous mutations derived via sexual propagation. <b>2019</b> , 14, e0222283	5
895	A multi-omics analysis of the grapevine pathogen <i>Lasiodiplodia theobromae</i> reveals that temperature affects the expression of virulence- and pathogenicity-related genes. <b>2019</b> , 9, 13144	26
894	Identification of heat-tolerance QTLs and high-temperature stress-responsive genes through conventional QTL mapping, QTL-seq and RNA-seq in tomato. <b>2019</b> , 19, 398	54
893	Transcriptome divergence during leaf development in two contrasting switchgrass ( <i>Panicum virgatum</i> L.) cultivars. <b>2019</b> , 14, e0222080	3
892	Genomic characterization of the complete terpene synthase gene family from <i>Cannabis sativa</i> . <b>2019</b> , 14, e0222363	28
891	NCBI's Virus Discovery Hackathon: Engaging Research Communities to Identify Cloud Infrastructure Requirements. <b>2019</b> , 10,	8
890	Predict Epitranscriptome Targets and Regulatory Functions of -Methyladenosine (mA) Writers and Erasers. <b>2019</b> , 15, 1176934319871290	13
889	A systematic sequencing-based approach for microbial contaminant detection and functional inference. <b>2019</b> , 17, 72	8

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887	Deduction of Novel Genes Potentially Involved in the Effects of Very Low Dose Atropine (0.003%) Treatment on Corneal Epithelial Cells Using Next-Generation Sequencing and Bioinformatics Approaches. <b>2019</b> , 55,	3
886	Lgr5 and Col22a1 Mark Progenitor Cells in the Lineage toward Juvenile Articular Chondrocytes. <b>2019</b> , 13, 713-729	16
885	DNA Methylome and Transcriptome Alterations in High Glucose-Induced Diabetic Nephropathy Cellular Model and Identification of Novel Targets for Treatment by Tanshinone IIA. <b>2019</b> , 32, 1977-1988	9
884	RNA-seq data of <i>Ganoderma boninense</i> at axenic culture condition and under in planta pathogen-oil palm ( <i>Elaeis guineensis</i> Jacq.) interaction. <b>2019</b> , 12, 631	3
883	Oregano essential oil vapour prevents <i>Plasmopara viticola</i> infection in grapevine ( <i>Vitis Vinifera</i> ) and primes plant immunity mechanisms. <b>2019</b> , 14, e0222854	21
882	Developmental and Molecular Changes Underlying the Vernalization-Induced Transition to Flowering in (James). <b>2019</b> , 10,	2
881	Increased Expression of Lipid Metabolism Genes in Early Stages of Wooden Breast Links Myopathy of Broilers to Metabolic Syndrome in Humans. <b>2019</b> , 10,	24
880	Molecular characterization of the ERF family in susceptible poplar infected by virulent <i>Melampsora larici-populina</i> . <b>2019</b> , 108, 101437	2
879	PHF2 histone demethylase prevents DNA damage and genome instability by controlling cell cycle progression of neural progenitors. <b>2019</b> , 116, 19464-19473	14
878	Complete Sequence, Multichromosomal Architecture and Transcriptome Analysis of the Mitochondrial Genome. <b>2019</b> , 20,	16
877	Conservation and novelty in the microRNA genomic landscape of hyperdiverse cichlid fishes. <b>2019</b> , 9, 13848	12
876	Corytophanids Replaced the Pleurodont XY System with a New Pair of XY Chromosomes. <b>2019</b> , 11, 2666-2677	12
875	Genome expansion by allopolyploidization in the fungal strain 2T2.1 and its exceptional lignocellulolytic machinery. <b>2019</b> , 12, 229	5
874	Effects of Essential Oil Citral on the Growth, Mycotoxin Biosynthesis and Transcriptomic Profile of. <b>2019</b> , 11,	21
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872	Pro-angiogenesis effect and transcriptome profile of Shuxinyin formula in zebrafish. <b>2019</b> , 65, 153083	6
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868	Marcksb plays a key role in the secretory pathway of zebrafish Bmp2b. <b>2019</b> , 15, e1008306	12
867	Genome-Wide Analysis of Cotton Auxin Early Response Gene Families and Their Roles in Somatic Embryogenesis. <b>2019</b> , 10,	12
866	Ageing affects DNA methylation drift and transcriptional cell-to-cell variability in mouse muscle stem cells. <b>2019</b> , 10, 4361	76
865	Network-based method for drug target discovery at the isoform level. <b>2019</b> , 9, 13868	5
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863	Systems analysis-based assessment of post-treatment adverse events in lymphatic filariasis. <b>2019</b> , 13, e0007697	7
862	Ketamine Increases Proliferation of Human iPSC-Derived Neuronal Progenitor Cells via Insulin-Like Growth Factor 2 and Independent of the NMDA Receptor. <b>2019</b> , 8,	6
861	LINC00461 affects the survival of patients with renal cell carcinoma by acting as a competing endogenous RNA for microRNA-942. <b>2019</b> , 42, 1924-1934	8
860	High-throughput RNA sequencing reveals the anti-inflammatory mechanism of baicalin on Propionibacterium acnes-induced acne in rabbits. <b>2019</b> , 6, 201-210	
859	Role of NF-kappaB2-p100 in regulatory T cell homeostasis and activation. <b>2019</b> , 9, 13867	6
858	Pervasive convergent evolution and extreme phenotypes define chaperone requirements of protein homeostasis. <b>2019</b> , 116, 20009-20014	6
857	The genome of Populus alba x Populus tremula var. glandulosa clone 84K. <b>2019</b> , 26, 423-431	26
856	Anti-Inflammatory Effects of HDL (High-Density Lipoprotein) in Macrophages Predominate Over Proinflammatory Effects in Atherosclerotic Plaques. <b>2019</b> , 39, e253-e272	52
855	Minimal Effects of Proto- Chromosomes on House Fly Gene Expression in Spite of Evidence that Selection Maintains Stable Polygenic Sex Determination. <b>2019</b> , 213, 313-327	5
854	Hypocotyl Elongation Inhibition of Melatonin Is Involved in Repressing Brassinosteroid Biosynthesis in. <b>2019</b> , 10, 1082	10
853	Comparative transcriptome analysis combining SMRT and NGS sequencing provides novel insights into sex differentiation and development in mud crab (Scylla paramamosain). <b>2019</b> , 513, 734447	15

852	Multiomics analyses reveal that NOD-like signaling pathway plays an important role against <i>Streptococcus agalactiae</i> in the spleen of tilapia. <b>2019</b> , 95, 336-348	9
851	Mapping spatial transcriptome with light-activated proximity-dependent RNA labeling. <b>2019</b> , 15, 1110-1119	37
850	Identification of WNT16 as a Predictable Biomarker for Accelerated Osteogenic Differentiation of Tonsil-Derived Mesenchymal Stem Cells. <b>2019</b> , 2019, 8503148	8
849	Transcriptomic and Functional Analyses of Phenotypic Plasticity in a Higher Termite, <i>Light</i> . <b>2019</b> , 10, 964	4
848	High GILT Expression and an Active and Intact MHC Class II Antigen Presentation Pathway Are Associated with Improved Survival in Melanoma. <b>2019</b> , 203, 2577-2587	10
847	ImmGen report: sexual dimorphism in the immune system transcriptome. <b>2019</b> , 10, 4295	73
846	The First Highly Contiguous Genome Assembly of Pikeperch ( <i>Pikeperch</i> ), an Emerging Aquaculture Species in Europe. <b>2019</b> , 10,	12
845	Identification of telomerase RNAs in species of the <i>Yarrowia</i> clade provides insights into the co-evolution of telomerase, telomeric repeats and telomere-binding proteins. <b>2019</b> , 9, 13365	16
844	To Trim or Not to Trim: Effects of Read Trimming on the De Novo Genome Assembly of a Widespread East Asian Passerine, the Rufous-Capped Babbler ( <i>Blyth</i> ). <b>2019</b> , 10,	5
843	Whole Genome Sequencing of Chinese White Dolphin ( <i>Chinese White Dolphin</i> ) for High-Throughput Screening of Antihypertensive Peptides. <b>2019</b> , 17,	7
842	Toxicity response of silkworm intestine to <i>Bacillus cereus</i> SW7-1 pathogen. <b>2019</b> , 692, 1282-1290	5
841	Transcription-dependent targeting of Hda1C to hyperactive genes mediates H4-specific deacetylation in yeast. <b>2019</b> , 10, 4270	8
840	Variant analysis pipeline for accurate detection of genomic variants from transcriptome sequencing data. <b>2019</b> , 14, e0216838	14
839	A Sequence-Based Novel Approach for Quality Evaluation of Third-Generation Sequencing Reads. <b>2019</b> , 10,	2
838	1-MCP treatment affects peach fruit aroma metabolism as revealed by transcriptomics and metabolite analyses. <b>2019</b> , 122, 573-584	21
837	Research on phased array ultrasonic testing on CFETR vacuum vessel welding. <b>2019</b> , 139, 124-127	6
836	An integrated chromatin accessibility and transcriptome landscape of human pre-implantation embryos. <b>2019</b> , 10, 364	36
835	Transcriptional profiling of macrophages infected with <i>Fonsecaea monophora</i> . <b>2019</b> , 62, 374-383	6



834	Smut infection of perennial hosts: the genome and the transcriptome of the Brassicaceae smut fungus <i>Thecaphora thlaspeos</i> reveal functionally conserved and novel effectors. <b>2019</b> , 222, 1474-1492	8
833	TaME-seq: An efficient sequencing approach for characterisation of HPV genomic variability and chromosomal integration. <b>2019</b> , 9, 524	10
832	Genome sequence of <i>Malaria oleifera</i> , a tree with great value for nervonic acid production. <b>2019</b> , 8,	21
831	ME-Class2 reveals context dependent regulatory roles for 5-hydroxymethylcytosine. <b>2019</b> , 47, e28	2
830	Transcriptome analysis of genes and metabolic pathways associated with nicotine degradation in <i>Aspergillus oryzae</i> 112822. <b>2019</b> , 20, 86	6
829	Widespread inter-individual gene expression variability in. <b>2019</b> , 15, e8591	27
828	In-depth analysis of the genome of <i>Trypanosoma evansi</i> , an etiologic agent of surra. <b>2019</b> , 62, 406-419	5
827	Low TREM1 expression in whole blood predicts anti-TNF response in inflammatory bowel disease. <b>2019</b> , 40, 733-742	60
826	Arx Expression Suppresses Ventralization of the Developing Dorsal Forebrain. <b>2019</b> , 9, 226	4
825	A High-quality Draft Genome Assembly of <i>Sinella curviseta</i> : A Soil Model Organism (Collembola). <b>2019</b> , 11, 521-530	10
824	Deconvolution of single-cell multi-omics layers reveals regulatory heterogeneity. <b>2019</b> , 10, 470	84
823	Transcriptomic analysis of grain filling in rice inferior grains under moderate soil drying. <b>2019</b> , 70, 1597-1611	27
822	High Throughput mRNA Sequencing Reveals Potential Therapeutic Targets of Tao-Hong-Si-Wu Decoction in Experimental Middle Cerebral Artery Occlusion. <b>2018</b> , 9, 1570	10
821	FOXK1 and FOXK2 regulate aerobic glycolysis. <b>2019</b> , 566, 279-283	54
820	Genome-wide characterization and expression profiling of SWEET genes in cabbage ( <i>Brassica oleracea</i> var. <i>capitata</i> L.) reveal their roles in chilling and clubroot disease responses. <b>2019</b> , 20, 93	26
819	Spatial Principles of Chromatin Architecture Associated With Organ-Specific Gene Regulation. <b>2018</b> , 5, 186	10
818	MiR-5571-3p and miR-135b-5p, derived from analyses of microRNA profile sequencing, correlate with increased disease risk and activity of rheumatoid arthritis. <b>2019</b> , 38, 1753-1765	12
817	Re-analysis of the coral <i>Acropora digitifera</i> transcriptome reveals a complex lncRNAs-mRNAs interaction network implicated in Symbiodinium infection. <b>2019</b> , 20, 48	9

816	PAGE4 promotes prostate cancer cells survive under oxidative stress through modulating MAPK/JNK/ERK pathway. <b>2019</b> , 38, 24	10
815	Reconstruction of full-length circular RNAs enables isoform-level quantification. <b>2019</b> , 11, 2	59
814	Endoplasmic Reticulum Chaperone Glucose-Regulated Protein 94 Is Essential for Proinsulin Handling. <b>2019</b> , 68, 747-760	26
813	Genome-Wide Identification and Expression Profiling of Sugar Transporter Protein (STP) Family Genes in Cabbage ( <i>Brassica oleracea</i> var. <i>capitata</i> L.) Reveals their Involvement in Clubroot Disease Responses. <b>2019</b> , 10,	16
812	Transcriptomics of Arabidopsis sperm cells at single-cell resolution. <b>2019</b> , 32, 29-38	10
811	Comparative transcriptomic analysis provides insights into the response to the benzo(a)pyrene stress in aquatic firefly ( <i>Luciola leii</i> ). <b>2019</b> , 661, 226-234	10
810	Hydrogen sulfide exposure triggers chicken trachea inflammatory injury through oxidative stress-mediated FOS/IL8 signaling. <b>2019</b> , 368, 243-254	68
809	mRNA and microRNA transcriptomics analyses in intermuscular bones of two carp species, rice flower carp ( <i>Cyprinus carpio</i> var. <i>Quanzhounensis</i> ) and Jian carp ( <i>Cyprinus carpio</i> var. <i>Jian</i> ). <b>2019</b> , 30, 71-80	3
808	Dynamic Patterns of Gene Expression Additivity and Regulatory Variation throughout Maize Development. <b>2019</b> , 12, 410-425	27
807	Nudt21 regulates the alternative polyadenylation of Pak1 and is predictive in the prognosis of glioblastoma patients. <b>2019</b> , 38, 4154-4168	30
806	The tomato gene contributes to regulation of fruit ripening. <b>2019</b> , 6, 15	10
805	Maintenance of epigenetic landscape requires CIZ1 and is corrupted in differentiated fibroblasts in long-term culture. <b>2019</b> , 10, 460	4
804	Urotensin-related gene transcripts mark developmental emergence of the male forebrain vocal control system in songbirds. <b>2019</b> , 9, 816	3
803	Global Responses of Resistant and Susceptible Sorghum () to Sugarcane Aphid (). <b>2019</b> , 10, 145	22
802	Genomic Signals of Adaptation towards Mutualism and Sociality in Two Ambrosia Beetle Complexes. <b>2018</b> , 9,	3
801	Integrated DNA methylation and gene expression profiling across multiple brain regions implicate novel genes in Alzheimer's disease. <b>2019</b> , 137, 557-569	30
800	Sex Differences in Mouse Popliteal Lymph Nodes. <b>2019</b> , 9, 965	3
799	Evolution of substrate-specific gene expression and RNA editing in brown rot wood-decaying fungi. <b>2019</b> , 13, 1391-1403	10

798	Virus-specific memory T cells populate tumors and can be repurposed for tumor immunotherapy. <b>2019</b> , 10, 567	101
797	An essential role for the Zn transporter ZIP7 in B cell development. <b>2019</b> , 20, 350-361	54
796	The transcription factor family in soybean: Genome-wide identification, expression profiling and genetic diversity analysis. <b>2019</b> , 9, 629-642	3
795	Circular RNA expression profiles of peripheral blood mononuclear cells in hepatocellular carcinoma patients by sequence analysis. <b>2019</b> , 8, 1423-1433	27
794	Origin of wheat B-genome chromosomes inferred from RNA sequencing analysis of leaf transcripts from section Sitopsis species of Aegilops. <b>2019</b> , 26, 171-182	24
793	Temporal patterns of gene regulation and upstream regulators contributing to major developmental transitions during Rhesus macaque preimplantation development. <b>2019</b> , 25, 111-123	3
792	Genetic Analysis of Implicates Hsp90 in Morphogenesis and Azole Tolerance and Cdr1 in Azole Resistance. <b>2019</b> , 10,	49
791	Transcriptome Analysis of Watermelon Leaves Reveals Candidate Genes Responsive to Infection. <b>2019</b> , 20,	15
790	Comparative Transcriptome Analysis in Oilseed Rape () Reveals Distinct Gene Expression Details between Nitrate and Ammonium Nutrition. <b>2019</b> , 10,	6
789	SR9009 has REV-ERB-independent effects on cell proliferation and metabolism. <b>2019</b> , 116, 12147-12152	56
788	Comparative transcriptomic analysis of hypothalamus-pituitary-liver axis in bighead carp ( <i>Hypophthalmichthys nobilis</i> ) with differential growth rate. <b>2019</b> , 20, 328	9
787	Development and evaluation of a milk protein transcript depletion method for differential transcriptome analysis in mammary gland tissue. <b>2019</b> , 20, 400	1
786	Concurrent and long-term associations between the endometrial microbiota and endometrial transcriptome in postpartum dairy cows. <b>2019</b> , 20, 405	9
785	Salicylic Acid Alleviated Salt Damage of <i>Populus euphratica</i> : A Physiological and Transcriptomic Analysis. <b>2019</b> , 10, 423	4
784	Transcriptomic analysis provides insight into the mechanism of salinity adjustment in swimming crab <i>Portunus trituberculatus</i> . <b>2019</b> , 41, 961-971	3
783	Loss of DUX causes minor defects in zygotic genome activation and is compatible with mouse development. <b>2019</b> , 51, 947-951	76
782	The transcriptome of <i>Cryptosporidium</i> oocysts and intracellular stages. <b>2019</b> , 9, 7856	11
781	Genome-wide polymorphisms from RNA sequencing assembly of leaf transcripts facilitate phylogenetic analysis and molecular marker development in wild einkorn wheat. <b>2019</b> , 294, 1327-1341	9

780	Altered Levels of Proteins and Phosphoproteins, in the Absence of Early Causative Transcriptional Changes, Shape the Molecular Pathogenesis in the Brain of Young Presymptomatic Ki91 SCA3/MJD Mouse. <b>2019</b> , 56, 8168-8202	9
779	Transcriptome profiles of three Muscat table grape cultivars to dissect the mechanism of terpene biosynthesis. <b>2019</b> , 6, 89	1
778	Orb-weaving spider <i>Araneus ventricosus</i> genome elucidates the spidroin gene catalogue. <b>2019</b> , 9, 8380	41
777	Evaluation of ultra-low input RNA sequencing for the study of human T cell transcriptome. <b>2019</b> , 9, 8445	7
776	Integration analysis of a miRNA-mRNA expression in A549 cells infected with a novel H3N2 swine influenza virus and the 2009 H1N1 pandemic influenza virus. <b>2019</b> , 74, 103922	5
775	A <i>DSTYK</i> mutation activates ERK1/2 signaling to promote intraspinal dissemination in a case of solitary fibrous tumor/hemangiopericytoma. <b>2019</b> , 99, 1501-1514	5
774	Divergent Allometric Trajectories in Gene Expression and Coexpression Produce Species Differences in Sympatrically Speciating Midas Cichlid Fish. <b>2019</b> , 11, 1644-1657	5
773	The landscape of DNA methylation associated with the transcriptomic network in layers and broilers generates insight into embryonic muscle development in chicken. <b>2019</b> , 15, 1404-1418	11
772	The anther-specific <i>CYP704B</i> is potentially responsible for MSG26 male sterility in barley. <b>2019</b> , 132, 2413-2423	5
771	Transcriptome Profile Analysis of Twisted Leaf Disease Response in Susceptible Sugarcane with Narenga porphyrocoma Genetic Background. <b>2019</b> , 12, 293-303	3
770	Transcriptome analysis reveals a complex array of differentially expressed genes accompanying a source-to-sink change in phytoplasma-infected sweet cherry leaves. <b>2019</b> , 175, 69-82	2
769	Waking the sleeping dragon: gene expression profiling reveals adaptive strategies of the hibernating reptile <i>Pogona vitticeps</i> . <b>2019</b> , 20, 460	9
768	A simplified transposon mutagenesis method to perform phenotypic forward genetic screens in cultured cells. <b>2019</b> , 20, 497	1
767	Isolated <i>C. elegans</i> germ nuclei exhibit distinct genomic profiles of histone modification and gene expression. <b>2019</b> , 20, 500	6
766	Integration of metabolomics and expression of enolase-phosphatase 1 links to hepatocellular carcinoma progression. <b>2019</b> , 9, 3639-3652	5
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