

Title	Link
Comprehensive CRISPR-Cas9 screen identifies factors which are important for plasmablast development.	http://dx.doi.org/10.3389/fimmu.2022.979606
A genetic toolkit for studying transposon control in the <i>Drosophila melanogaster</i> ovary.	http://dx.doi.org/10.1093/genetics/yab179
Fos regulates macrophage infiltration against surrounding tissue resistance by a cortical actin-based mechanism in <i>Drosophila</i> .	http://dx.doi.org/10.1371/journal.pbio.3001494
Long range PCR-based deep sequencing for haplotype determination in mixed HCMV infections.	http://dx.doi.org/10.1186/s12864-021-08272-z
Biofilms in Water Hoses of a Meat Processing Environment Harbor Complex Microbial Communities.	http://dx.doi.org/10.3389/fmicb.2022.832213
Transcriptional dynamics of Chitinophaga sp. strain R-73072-mediated alkannin/shikonin biosynthesis in <i>Lithospermum officinale</i> .	http://dx.doi.org/10.3389/fmicb.2022.978021
Adaptive laboratory evolution and reverse engineering enhances autotrophic growth in <i>Pichia pastoris</i> .	http://dx.doi.org/10.1016/j.ymben.2021.11.007
Tissue-Wide Effects Override Cell-Intrinsic Gene Function in Radial Neuron Migration	http://dx.doi.org/10.1093/oons/kvac009
Stability in the South, Turbulence Toward the North: Evolutionary History of <i>Aurinia saxatilis</i> (Brassicaceae) Revealed by Phylogenomic and Climatic Modelling Data.	http://dx.doi.org/10.3389/fpls.2022.822331
Transcriptome-Wide Profiling of RNA Stability.	http://dx.doi.org/10.1007/978-1-0716-1851-6_17
Endothelial and systemic upregulation of miR-34a-5p fine-tunes senescence in progeria.	http://dx.doi.org/10.18632/aging.203820
Y-Chromosomal Insights into Breeding History and Sire Line Genealogies of Arabian Horses.	http://dx.doi.org/10.3390/genes13020229
Panoramix SUMOylation on chromatin connects the piRNA pathway to the cellular heterochromatin machinery.	http://dx.doi.org/10.1038/s41594-022-00721-x
The Kiev Folia: An interdisciplinary approach to unravelling the past of an ancient Slavonic manuscript	http://dx.doi.org/10.1016/j.ibiod.2021.105342
Prime editing efficiency and fidelity are enhanced in the absence of mismatch repair.	http://dx.doi.org/10.1038/s41467-022-28442-1
The life cycle-dependent transcriptional profile of the obligate intracellular amoeba symbiont <i>Amoebophilus asiaticus</i> .	http://dx.doi.org/10.1093/femsec/fiac001
ADAM17 Is an Essential Factor for the Infection of Bovine Cells with Pestiviruses.	http://dx.doi.org/10.3390/v14020381
Polygenic routes lead to parallel altitudinal adaptation in <i>Heliosperma pusillum</i> (Caryophyllaceae).	http://dx.doi.org/10.1111/mec.16393
Interaction of Periplasmic Fab Production and Intracellular Redox Balance in <i>Escherichia coli</i> Affects Product Yield.	http://dx.doi.org/10.1021/acssynbio.1c00502
NMD is required for timely cell fate transitions by fine-tuning gene expression and regulating translation.	http://dx.doi.org/10.1101/gad.347690.120
Surviving trees and deadwood moderate changes in soil fungal communities and associated functioning after natural forest disturbance and salvage logging	http://dx.doi.org/10.1016/j.soilbio.2022.108558
Nonredundancy of IL-1 α and IL-1 β is defined by distinct regulation of tissues orchestrating resistance versus tolerance to infection.	http://dx.doi.org/10.1126/sciadv.abj7293
Kynurenine importation by <i>SLC7A11</i> propagates anti-ferroptotic signaling.	http://dx.doi.org/10.1016/j.molcel.2022.02.007
Pool-GWAS on reproductive dormancy in <i>Drosophila simulans</i> suggests a polygenic architecture.	http://dx.doi.org/10.1093/g3journal/jkac027
Discovery of an unusually high number of de novo mutations in sperm of older men using duplex sequencing.	http://dx.doi.org/10.1101/gr.275695.121
TOPLESS promotes plant immunity by repressing auxin signaling and is targeted by the fungal effector Naked1.	http://dx.doi.org/10.1016/j.xplc.2021.100269
Interferons reshape the 3D conformation and accessibility of macrophage chromatin.	http://dx.doi.org/10.1016/j.isci.2022.103840
Sperm membrane proteins DCST1 and DCST2 are required for sperm-egg interaction in mice and fish.	http://dx.doi.org/10.1038/s42003-022-03289-w
The PAX5-JAK2 translocation acts as dual-hit mutation that promotes aggressive B-cell leukemia via nuclear STAT5 activation.	http://dx.doi.org/10.15252/embj.2021108397
Population structure in Neotropical plants: Integrating pollination biology, topography and climatic niches.	http://dx.doi.org/10.1111/mec.16403
Comprehensive Characterization of Platelet-Enriched MicroRNAs as Biomarkers of Platelet Activation.	http://dx.doi.org/10.3390/cells11081254
CHD8 haploinsufficiency links autism to transient alterations in excitatory and inhibitory trajectories.	http://dx.doi.org/10.1016/j.celrep.2022.110615
Genomic distances reveal relationships of wild and cultivated beets.	http://dx.doi.org/10.1038/s41467-022-29676-9
Genotypic and phenotypic diversity among <i>Komagataella</i> species reveals a hidden pathway for xylose utilization.	http://dx.doi.org/10.1186/s12934-022-01796-3
DeepSTARR predicts enhancer activity from DNA sequence and enables the de novo design of synthetic enhancers.	http://dx.doi.org/10.1038/s41588-022-01048-5
Anaerobic methane oxidation in a coastal oxygen minimum zone: spatial and temporal dynamics.	http://dx.doi.org/10.1111/1462-2920.16003
Heterogeneity of the GFP fitness landscape and data-driven protein design.	http://dx.doi.org/10.7554/elife.75842
Transcriptomic profiling of <i>Escherichia coli</i> K-12 in response to a compendium of stressors.	http://dx.doi.org/10.1038/s41598-022-12463-3
MCM complexes are barriers that restrict cohesin-mediated loop extrusion.	http://dx.doi.org/10.1038/s41586-022-04730-0
Inducible and tissue-specific cell labeling in Cre-ER(T2) transgenic <i>Xenopus</i> lines.	http://dx.doi.org/10.1111/dgd.12791
Sister chromatid-sensitive Hi-C to map the conformation of replicated genomes.	http://dx.doi.org/10.1038/s41596-022-00687-6
Effect of Anti-Osteoporotic Treatments on Circulating and Bone MicroRNA Patterns in Osteopenic ZDF Rats.	http://dx.doi.org/10.3390/ijms23126534
Macrophage mitochondrial bioenergetics and tissue invasion are boosted by an Atossa-Porthos axis in <i>Drosophila</i> .	http://dx.doi.org/10.15252/embj.2021109049
An Equine Model for Vaccination against a Hepacivirus: Insights into Host Responses to E2 Recombinant Protein Vaccination and Subsequent Equine Hepacivirus Inoculation.	http://dx.doi.org/10.3390/v14071401
Bookend: precise transcript reconstruction with end-guided assembly.	http://dx.doi.org/10.1186/s13059-022-02700-3
Genomic insights into recent species divergence in <i>Nicotiana benthamiana</i> and natural variation in <i>Rdr1</i> gene controlling viral susceptibility.	http://dx.doi.org/10.1111/tpj.15801
Locally adaptive temperature response of vegetative growth in <i>Arabidopsis thaliana</i> .	http://dx.doi.org/10.7554/elife.77913
Paired nicking-mediated COL17A1 reframing for junctional epidermolysis bullosa.	http://dx.doi.org/10.1016/j.ymthe.2022.04.020
Meiotic exit in <i>Arabidopsis</i> is driven by P-body-mediated inhibition of translation.	http://dx.doi.org/10.1126/science.abo0904
Repeat Dynamics across Timescales: A Perspective from Sibling Allotetraploid Marsh Orchids (<i>Dactylorhiza majalis</i> s.l.).	http://dx.doi.org/10.1093/molbev/msac167
Metastatic colorectal carcinoma-associated fibroblasts have immunosuppressive properties related to increased IGFBP2 expression.	http://dx.doi.org/10.1016/j.canlet.2022.215737
Chimeric GPCRs mimic distinct signaling pathways and modulate microglia responses.	http://dx.doi.org/10.1038/s41467-022-32390-1
β -Cyclocitral Does Not Contribute to Singlet Oxygen-Signalling in Algae, but May Down-Regulate Chlorophyll Synthesis.	http://dx.doi.org/10.3390/plants11162155
Polycomb-mediated repression of paternal chromosomes maintains haploid dosage in diploid embryos of <i>Marchantia</i> .	http://dx.doi.org/10.7554/elife.79258

Transcriptional Regulation by the Velvet Protein VE-1 during Asexual Development in the Fungus <i>Neurospora crassa</i> .	http://dx.doi.org/10.1128/mbio.01505-22
Biallelic PAX5 mutations cause hypogammaglobulinemia, sensorimotor deficits, and autism spectrum disorder.	http://dx.doi.org/10.1084/jem.20220498
The cation exchanger Letm1, circadian rhythms, and NAD(H) levels interconnect in diurnal zebrafish.	http://dx.doi.org/10.26508/lsa.202101194
Epidemic of cutaneous fowlpox in a naïve population of chickens and turkeys in Austria: Detailed phylogenetic analysis indicates co-evolution of fowlpox virus with reticuloendotheliosis virus.	http://dx.doi.org/10.1111/tbed.14446
A novel Chaphamaparvovirus is the etiological agent of hepatitis outbreaks in pheasants (<i>Phasianus colchicus</i>) characterized by high mortality.	http://dx.doi.org/10.1111/tbed.14545
Transient upregulation of IRF1 during exit from naive pluripotency confers viral protection.	http://dx.doi.org/10.15252/embr.202255375
F1BCD1 is an endocytic GAG receptor associated with a novel neurodevelopmental disorder.	http://dx.doi.org/10.15252/emmm.202215829
Conditional GWAS of non-CG transposon methylation in <i>Arabidopsis thaliana</i> reveals major polymorphisms in five genes.	http://dx.doi.org/10.1371/journal.pgen.1010345
Gruffi: an algorithm for computational removal of stressed cells from brain organoid transcriptomic datasets.	http://dx.doi.org/10.15252/embj.202211118
DNA replication timing directly regulates the frequency of oncogenic chromosomal translocations.	http://dx.doi.org/10.1126/science.abj5502
Single-cell transcriptomics identifies conserved regulators of neuroglandular lineages.	http://dx.doi.org/10.1016/j.celrep.2022.111370
Developmental and housekeeping transcriptional programs in <i>Drosophila</i> require distinct chromatin remodelers.	http://dx.doi.org/10.1016/j.molcel.2022.08.019
Identification of Activating Mutations in the Transmembrane and Extracellular Domains of EGFR.	http://dx.doi.org/10.1021/acs.biochem.2c00384
The Drosophila ZAD zinc finger protein Kipferl guides Rhino to piRNA clusters.	http://dx.doi.org/10.7554/elife.80067
Postglacial range expansion of high-elevation plants is restricted by dispersal ability and habitat specialization.	http://dx.doi.org/10.1111/jbi.14390
Human papillomavirus 42 drives digital papillary adenocarcinoma and elicits a germ-cell like program conserved in HPV-positive cancers.	http://dx.doi.org/10.1158/2159-8290.cd-22-0489
Dynamics of alkannin/shikonin biosynthesis in response to jasmonate and salicylic acid in <i>Lithospermum officinale</i> .	http://dx.doi.org/10.1038/s41598-022-21322-0
Complementary Strategies for Deciphering the Information Contained in Ancient Parchment Documentary Materials	http://dx.doi.org/10.3390/app122010479
Genome-wide selection signatures reveal widespread synergistic effects of two different stressors in <i>Drosophila melanogaster</i> .	http://dx.doi.org/10.1098/rspb.2022.1857
The HUSH complex controls brain architecture and protocadherin fidelity.	http://dx.doi.org/10.1126/sciadv.abo7247
Phylogenomics reveals deep relationships and diversification within phylactolaemate bryozoans.	http://dx.doi.org/10.1098/rspb.2022.1504
The Role of the Environment in Horizontal Gene Transfer.	http://dx.doi.org/10.1093/molbev/msac220
Avirulent Phenotype promotes <i>Bordetella pertussis</i> Adaptation to the Intramacrophage Environment.	http://dx.doi.org/10.1080/22221751.2022.2146536
POL8 processes ssDNA gaps and promotes replication fork progression in BRCA1-deficient cells.	http://dx.doi.org/10.1016/j.celrep.2022.111716
Stress signaling boosts interferon-induced gene transcription in macrophages.	http://dx.doi.org/10.1126/scisignal.abg5389
Adaptation to high rates of chromosomal instability and aneuploidy through multiple pathways in budding yeast.	http://dx.doi.org/10.15252/embj.2022111500
Systematic identification and characterization of repressive domains in <i>Drosophila</i> transcription factors.	http://dx.doi.org/10.15252/embj.2022112100
SLAM-seq reveals early transcriptomic response mechanisms upon glutamine deprivation in Chinese hamster ovary cells.	http://dx.doi.org/10.1002/bit.28320
The complete and closed genome of the facultative generalist <i>Candidatus Endoriftia persephone</i> from deep-sea hydrothermal vents.	http://dx.doi.org/10.1111/1755-0998.13668
Metatranscriptomic Analyses Unravel Dynamic Changes in the Microbial and Metabolic Transcriptional Profiles in Artisanal Austrian Hard-Cheeses During Ripening.	http://dx.doi.org/10.3389/fmicb.2022.813480
The life cycle-dependent transcriptional profile of the obligate intracellular amoeba symbiont <i>Amoebophilus asiaticus</i> .	http://dx.doi.org/10.1093/femsec/fiac001
EV1 drives leukemogenesis through aberrant ERG activation.	http://dx.doi.org/10.1182/blood.2022016592
Novel Insights on Obligate Symbiont Lifestyle and Adaptation to Chemosynthetic Environment as Revealed by the Giant Tubeworm Genome	https://pubmed.ncbi.nlm.nih.gov/34893862/
Evolution of phenotypic variance in response to a novel hot environment	https://pubmed.ncbi.nlm.nih.gov/34775658/
Evolutionarily recent dual obligatory symbiosis among adelgids indicates a transition between fungus- and insect-associated lifestyles	https://pubmed.ncbi.nlm.nih.gov/34294881/