

Selected published papers using TIANGEN miRNA products

Title	Journal	IF	Product used	Institution
Mi+C2:C21croRNA 301A Promotes Intestinal Inflammation and Colitis-Associated Cancer Development by Inhibiting BTG1	Gastroenterology	18.392	miRNA extraction/RT/Quantification	Tenth People's Hospital of Tongji University
Long non-coding RNA GAS5 controls human embryonic stem cell self-renewal by maintaining NODAL signalling	Nature Communications	11.878	miRNA extraction	Shanghai Second Military Medical University
Phytochrome-interacting factors directly suppress MIR156 expression to enhance shade-avoidance syndrome in Arabidopsis	Nature Communications	11.878	miRNA extraction/RT/Quantification	Institute of Biotechnology, Academy of Agricultural Sciences
TGF- β signaling alters H4K20me3 status via miR-29 and contributes to cellular senescence and cardiac aging	Nature Communications	11.878	miRNA RT/Quantification	Peking University
MicroRNA-27a controls the intracellular survival of Mycobacterium tuberculosis by regulating calcium-associated autophagy	Nature Communications	11.878	miRNA RT/Quantification	Tongji University School of Medicine
Dop1 enhances conspecific olfactory attraction by inhibiting miR-9a maturation in locusts	Nature Communications	11.878	miRNA RT/Quantification	Institute of Zoology, Academy of Agricultural Sciences
A fungal pathogen deploys a small silencing RNA that attenuates mosquito immunity and facilitates infection	Nature Communications	11.878	miRNA RT/Quantification	Institute of Plant Physiology & Ecology, Shanghai Institutes of Biological Sciences, CAS
A Brassica miRNA Regulates Plant Growth and Immunity through Distinct Modes of Action	Molecular Plant	10.812	miRNA extraction/RT/Quantification	Institute of Microbiology, Chinese Academy of Sciences
Melatonin improves reprogramming efficiency and proliferation of bovine-induced pluripotent stem cells	Journal of pineal research	10.391	miRNA extraction/RT/Quantification	Institute of Zoology, Academy of Agricultural Sciences
Detecting and characterizing microRNAs of diverse genomic origins via miRvial	Nucleic Acids Research	10.162	miRNA extraction/RT	Jiangnan University
MicroRNA-202 maintains spermatogonial stem cells by inhibiting cell cycle regulators and RNA binding proteins	Nucleic Acids Research	10.162	miRNA RT/Quantification	Institute of Zoology, Academy of Agricultural Sciences
MicroRNA-276 promotes egg-hatching synchrony by up-regulating brm in locusts	PNAS	9.661	FastQuant/RealMaster/miRNA series	Institute of Zoology, Academy of Agricultural Sciences
Targeting the MIR34C-5p-ATG4B-autophagy axis enhances the sensitivity of cervical cancer cells to pirarubicin	Autophagy	8.593	miRNA extraction	Chongqing Third Military Medical University
Extracellular Vesicles from Albumin-Induced Tubular Epithelial Cells Promote the M1 Macrophage Phenotype by Targeting Klotho	Molecular Therapy	8.402	miRNA extraction/RT/External control	Nanfang Hospital of Southern University of Science and Technology
DC-SIGN-LEF1/TCF1-miR-185 feedback loop promotes colorectal cancer invasion and metastasis	Cell Death and Differentiation	8.086	miRNA RT/Quantification SuperReal	The Second Hospital of Dalian Medical University
Transcriptional control of PAX4-regulated miR-144/451 modulates metastasis by suppressing ADAMs expression	Oncogene	7.519	miRNA quantification	School of Medicine, Shanghai Jiaotong University
MicroRNA-Catalyzed Cancer Therapeutics Based on DNA-Programmed Nanoparticle Complex	ACS applied materials & interfaces	7.504	miRNA extraction	Suzhou University
Co-effects of matrix low elasticity and aligned topography on stem cell neurogenic differentiation and rapid neurite outgrowth	Nanoscale	7.367	miRNA extraction FastQuant/SuperReal	Tsinghua University

Selected published papers using TIANGEN lncRNA products

Title	Journal	IF	Product used	Institution
The long noncoding RNA T5120 regulates nitrate response and assimilation in Arabidopsis	New Phytologist	7.299	lncRNA RT	Shandong Agricultural University
lncRNA ZEB1-AS1 down-regulation suppresses the proliferation and invasion by inhibiting ZEB1 expression in oesophageal squamous cell carcinoma	Journal of Cellular and Molecular Medicine	4.658	DNA extraction/ lnc RNA RT/Quantification	The Cancer Hospital of Zhengzhou University
Long non-coding RNA CDKN2B antisense RNA 1 gene contributes to paclitaxel resistance in endometrial carcinoma	Frontiers in Oncology	4.137	TRNzol/lnc RNA RT/ Quantification	China Medical University
Silencing of GAS5 alleviates glaucoma in rat models by reducing retinal ganglion cell apoptosis	Human Gene Therapy	3.855	lnc RNA RT/ Quantification	XiangYa School of Medicine, CSU
Whole-transcriptome RNA sequencing reveals the global molecular responses and ceRNA regulatory network of mRNAs, lncRNAs, miRNAs and circRNAs in response to copper toxicity in Ziyang Xiangcheng (<i>Citrus junos</i> Sieb. Ex Tanaka)	BMC Plant Biology	3.67	RNA extraction/ miRNA extraction/ lnc RNA RT/Quantification	Southwest University
The global effects of PmRunt co-located and co-expressed with a lincRNA lncRunt in pearl oyster <i>Pinctada fucata martensii</i>	Fish & Shellfish Immunology	3.298	lnc RNA RT/ Quantification	Guangdong Ocean University
lncMSEN1, a mantle-specific lncRNA participating in nacre formation and response to poly(I): C stimulation in pearl oyster <i>Pinctada fucata martensii</i>	Fish & Shellfish Immunology	3.298	lnc RNA RT/ Quantification	Guangdong Ocean University
Knockdown of lncRNA KCNQ1OT1 suppresses the adipogenic and osteogenic differentiation of tendon stem cell via downregulating miR-138 target genes PPAR γ and RUNX2	Cell Cycle	3.259	lnc RNA RT/ FastFire quantification	Yuying children's Hospital of Wenzhou Medical College
Long non-coding RNA CDKN2B antisense RNA 1 gene inhibits Gemcitabine sensitivity in bladder urothelial carcinoma	Journal of Cancer	3.182	lnc RNA RT/ Quantification	China Medical University
Long non-coding RNA GHET1 contributes to chemotherapeutic resistance to Gemcitabine in bladder cancer	Cancer Chemotherapy and Pharmacology	3.008	TRNzol/lnc RNA RT/ Quantification	Shengjing Hospital of China Medical University
Resveratrol exhibits an effect on attenuating retina inflammatory condition and damage of diabetic retinopathy via PON1	Experimental Eye Research	2.998	lnc RNA RT/ Quantification	Xi'an Peihua University
Long Noncoding RNA Expression Signatures of Colon Cancer Based on the ceRNA Network and Their Prognostic Value	Disease Markers	2.761	lnc RNA Quantification	Nanfang Hospital of Nanfang Medical University
Comparative profiling of differentially expressed microRNAs in estrous ovaries of Kazakh sheep in different seasons	Gene	2.638	lnc RNA RT/ Quantification	Shihezi University