

Selected published papers using TIANGEN plasmid DNA purification products

Title	Journal	IF	Applied kits	Institution
Epstein–Barr virus-encoded microRNA BART1 induces tumour metastasis by regulating PTEN-dependent pathways in nasopharyngeal carcinoma	Naure Communications	11.47	Mini prep	Southern Medical University
Visualizing Intracellular Organelle and Cytoskeletal Interactions at Nanoscale Resolution on Millisecond Timescales	Cell	36.216	Mini prep	Institute of Biophysics, Chinese Academy of Sciences
Efficient base editing in methylated regions with a human APOBEC3A-Cas9 fusion	Nature Biotechnology	31.864	Mini prep	ShanghaiTech University
Base editing with a Cpf1–cytidine deaminase fusion	Nature Biotechnology	31.864	Mini prep	ShanghaiTech University
CRISPR–Cas9-mediated base-editing screening in mice identifies DND1 amino acids that are critical for primordial germ cell development	Nature Cell Biology	17.728	Endofree maxi prep	Shanghai Institute of Biochemistry and Cell Biology, CAS
The nucleoskeleton protein IFFO1 immobilizes broken DNA and suppresses chromosome translocation during tumorigenesis	Nature Cell Biology	17.728	Rapid mini prep	Peking University
Integrative Analysis of Zika Virus Genome RNA Structure Reveals Critical Determinants of Viral Infectivity	Cell Host & Microbe	15.753	Endofree maxi prep	Tsinghua University
A Tyrosine Phosphorylation Cycle Regulates Fungal Activation of a Plant Receptor Ser/Thr Kinase	Cell Host & Microbe	15.753	Endofree plasmid kit	Sun Yat-sen University
Nascent Pre-rRNA Sorting via Phase Separation Drives the Assembly of Dense Fibrillar Components in the Human Nucleolus	Molecular Cell	14.548	Mini prep	Shanghai Institute of Biochemistry and Cell Biology, CAS
Resistance to nonribosomal peptide antibiotics mediated by d-stereospecific peptidases	Nature Chemical Biology	12.154	Mini prep	The Hong Kong University of Science and Technology
The conserved 3' UTR-derived small RNA NarS mediates mRNA crossregulation during nitrate respiration	Nucleic Acids Research	11.147	Rapid mini prep	Shanghai Medical College of Fudan University
RNA-splicing factor SART3 regulates translesion DNA synthesis	Nucleic Acids Research	11.147	Mini prep	Beijing Institute of genome research, Chinese Academy of Sciences
BACE1 SUMOylation increases its stability and escalates the protease activity in Alzheimer' s disease	PNAS	9.58	Endofree maxi prep	Tongji Medical College of HUST
Targeted genetic screening in mice through haploid embryonic stem cells identifies critical genes in bone development	PLOS Biology	8.386	Endofree maxi prep	Shanghai Institute of Biochemistry and Cell Biology, CAS
AcrIIA5 Inhibits a Broad Range of Cas9 Orthologs by Preventing DNA Target Cleavage	Cell Reports	7.815	Endofree plasmid kit	Institute of Biophysics, Chinese Academy of Sciences

Selected published papers using TIANGEN DNA fragments purification products

Title	Journal	IF	Applied kits	Institution
Precise gene replacement in rice by RNA transcript-templated homologous recombination	Nature Biotechnology	31.864	Gel recovery	Institute of Crop Science, CAAS
Induction of OTUD4 by viral infection promotes antiviral responses through deubiquitinating and stabilizing MAVS	Cell Research	17.848	DNA fragment purification kit	Wuhan University
CRISPR–Cas9-mediated base-editing screening in mice identifies DND1 amino acids that are critical for primordial germ cell development	Nature Cell Biology	17.728	Universal	Shanghai Institute of Biochemistry and Cell Biology, CAS
A microRNA-inducible CRISPR–Cas9 platform serves as a microRNA sensor and cell-type-specific genome regulation tool	Nature Cell Biology	17.728	Universal	Institute of Molecular Medicine, Peking University, IMM PKU
CoBATCH for High-Throughput Single-Cell Epigenomic Profiling	Molecular Cell	14.548	DNA fragment purification kit	Peking University
N6-Methyladenine DNA Modification in the Human Genome	Molecular Cell	14.548	Universal	The Third Affiliated Hospital of Guangzhou Medical University
Structural basis of the arbitrium peptide–AimR communication system in the phage lysis–lysogeny decision	Nature Microbiology	14.3	DNA fragment purification kit	Huazhong Agricultural University
Resistance to nonribosomal peptide antibiotics mediated by d-stereospecific peptidases	Nature Chemical Biology	12.154	Universal	The Hong Kong University of Science and Technology
Functional genomics reveal gene regulatory mechanisms underlying schizophrenia risk	Nature Communications	11.878	Gel recovery	Kuming Institute of Zoology, CAS
Nuclear Nestin deficiency drives tumor senescence via lamin A/C-dependent nuclear deformation	Nature Communications	11.878	Universal	Sun Yat-sen University Zhongshan School of Medicine
Functional genomics reveal gene regulatory mechanisms underlying schizophrenia risk	Nature Communications	11.878	Gel recovery	Kuming Institute of Zoology, CAS
The indica nitrate reductase gene OsNR2 allele enhances rice yield potential and nitrogen use efficiency	Nature Communications	11.878	Gel recovery	China National Rice Research Institute
Expanding C–T base editing toolkit with diversified cytidine deaminases	Nature Communications	11.878	Universal	Institute of Neuroscience, CAS
6mA-DNA-binding factor Jumu controls maternal-to-zygotic transition upstream of Zelda	Nature Communications	11.878	Universal	Institute of Zoology, Chinese Academy of Sciences
Histone demethylase KDM3A is required for enhancer activation of hippo target genes in colorectal cancer	Nucleic Acids Research	11.147	Universal	Wuhan University
Capping-RACE: a simple, accurate, and sensitive 5' RACE method for use in prokaryotes	Nucleic Acids Research	11.147	Universal	Huazhong Agricultural University
DNA-mediated dimerization on a compact sequence signature controls enhancer engagement and regulation by FOXA1	Nucleic Acids Research	11.147	Gel recovery	Guangzhou Institute of Biomedicine and Health, CAS
Ai-lncRNA EGOT enhancing autophagy sensitizes paclitaxel cytotoxicity via upregulation of ITPR1 expression by RNA-RNA and RNA-protein interactions in human cancer	Molecular Cancer	10.679	Universal	Cancer Hospital of Harbin Medical University
DPPA2/4 and SUMO E3 ligase PIAS4 opposingly regulate zygotic transcriptional program	PLOS Biology	8.386	DNA fragment purification kit	Peking University
AcrlIA5 Inhibits a Broad Range of Cas9 Orthologs by Preventing DNA Target Cleavage	Cell Reports	7.815	DNA fragment purification kit	Institute of Biophysics, Chinese Academy of Sciences
Intrinsic Nucleotide Preference of Diversifying Base Editors Guides Antibody Ex Vivo Affinity Maturation	Cell Reports	7.815	Universal	Shanghai Institute of Biochemistry and Cell Biology, CAS