

Publications for VA-PD101 (One Step Mouse Genotyping Kit)

biorxiv | Aug 13, 2022 | Read Article

Engineering precise adenine base editor with infinitesimal rates of bystander mutations and off-target editing

Chen Liang, Zhang Shun

1x

Article Snippet

"**PrePrint:** .. was isolated using the TIANamp Genomic Kit (Tiangen Biotech) according to the manufacturer's instructions.. For rodent DNA extractions, mouse or rat tail tip genomic DNA was isolated using the **One-Step Mouse Genotyping Kit (Vazyme)** based on the manufacturer's instructions.. Modified orthogonal R-loop assay Cas9-independent DNA off-target analysis in this study was using the modified ..." ([More...](#))

Figure Legend

"... was at 7 days old, while the right **one** was at 14 days old. WT, wildtype. e ..." ([More...](#))

PLoS One | May 1, 2017 | PubMed ID: 28459882 | Read Article

CREG1 heterozygous mice are susceptible to high fat diet-induced obesity and insulin resistance

Xiaoxiang Tian, Chenghui Yan, ..., Yaling Han

1x

Article Snippet

"PCR genotyping Genomic DNA from tail tips of WT and Creg1 +/- mice was extracted by a **One Step Mouse Genotyping Kit (Vazyme Biotech, Nanjing, China)** and used as template for amplification of WT and Mutant Creg1 gene by PCR.. Since the exons 2 and 3 of one Creg1 allele were replaced with a ..." ([More...](#))

Figure Legend

"... with a neomycin-resistant (Neo R) cassette. Representative **genotyping** image showed the wild type band of 168 ..." ([More...](#))

biorxiv | May 30, 2022 | Read Article

Single-cell RNA sequencing reveals dysregulation of spinal cord cell types in a several spinal muscular atrophy mouse model

Sun Junjie, Qiu Jiaying

"**PrePrint:** .. by crossing Het knockout mice (Smn+/-) with mild Taiwanese mice (Smn-/- , SMN2tg/2tg).. Genotyping of tail-end tissue from newborn mice was performed using the method described in **One step mouse genotyping kit (PD101-01, vazyme, nanjing, china)**.. A Primer pair (F: 5'-AGCCTGAAGAACGAGATCAGC-3', R: 5'-GTAGCCGTGATGCCATTGTCA-3') was used to detect mutant or K/O ..." ([More...](#))

Front Genet | May 19, 2022 | PubMed ID: 35664294 | Read Article

First Report on CRISPR/Cas9-Based Genome Editing in the Destructive Invasive Pest Tuta Absoluta (Meyrick) (Lepidoptera: Gelechiidae)

Shun-Xia Ji, Si-Yan Bi, ..., Wan-Xue Liu

"... microscope, and after mating and oviposition, genetic analysis was performed to evaluate Tacinnabar mutagenesis.. More specifically, genomic DNA was extracted using the **One Step Genotyping Kit (Vazyme, Nanjing, China)** and used as a template for PCR amplification using gene-specific primers ().. The amplified products were then sequenced directly, and if the peak diagram of the ..." ([More...](#))

Bioengineered | Apr 29, 2022 | PubMed ID: 35485233 | Read Article

P75 neurotrophin receptor positively regulates the odontogenic/osteogenic differentiation of ectomesenchymal stem cells via nuclear factor kappa-B signaling pathway

Peifen Shan, Xiaole Wang, ..., Xin Nie

"Additionally, we dissected the tail tissue for PCR analysis as previously described [].. DNA extraction and PCR amplification were using one **step mouse genotyping kit (Vazyme, Nanjing, China)** according to the manufacturer's protocol.. The PCR products could be observed on a 3% agarose gel containing 5 mg/mL ..." ([More...](#))

Front Cell Dev Biol | Apr 4, 2022 | Read Article

β -Catenin Signaling Evokes Hair Follicle Senescence by Accelerating the Differentiation of Hair Follicle Mesenchymal Progenitors

Jimin Han, Kaijun Lin, ..., Xiaodong Chen

"Mouse genomic DNA of mice was extracted from 2-mm mouse tails using a **One Step Mouse Genotyping Kit (Vazyme Biotech Co., Ltd., Nanjin Jiangsu Province China)**.. The chopped tails were added to mouse tissue lysis buffer (the ratio of lysis ..." ([More...](#))

J Neuroinflammation | Mar 14, 2022 | PubMed ID: 35287697 | Read Article

Homer1 promotes the conversion of A1 astrocytes to A2 astrocytes and improves the recovery of transgenic mice after intracerebral hemorrhage

Xiaowei Fei, Ya-Nan Dou, ..., Zhou Fei

"... 55 °C, and further inactivated with proteinase K for 5 min at 100 °C.. Polymerase chain reaction (PCR) was performed according to the protocol of the **One Step Mouse Genotyping Kit (Vazyme, China)**.. Identification of Homer1 Flox (wild type: 232 bp; mutant: 300 bp): Primer 1 (Forward): ..." ([More...](#))

Front Cell Dev Biol | Mar 1, 2022 | PubMed ID: 35300420 | Read Article

Two Compact Cas9 Ortholog-Based Cytosine Base Editors Expand the DNA Targeting Scope and Applications In Vitro and In Vivo

Susu Wu, Liping Li, ..., Yunbo Qiao

"... ICR females at 0.5 days post-copulation; tails were collected from newborn or adult mice.. Genomic DNA from embryo tails was extracted by using the **One Step Mouse Genotyping Kit (Vazyme, PD101)**.. Amplified genomic DNA or DNA from tails was subjected to PCR with Phanta Max ..." ([More...](#))

bioRxiv | Feb 22, 2022 | Read Article

Lysine acetylation regulates antibiotic resistance in Escherichia coli

Fang Zuye, Lai Fubin

"**PrePrint:** .. primers , and the PBSU101 plasmid was digested by BamHI and XbaI (Japanese Takara).. Then PBSU101-pykF, PBSU101-pykF (K413Q) and PBSU101-pykF (K413R) were obtained by homologous recombination (**Clone ExpressII One Step Cloning Kit, Vazyme**) of the amplified product and the digested linearized plasmid.. Site-directed mutagenesis of pykF The Mut Express II Fast Mutagenesis Kit V2 (Vazyme Biotech, ..." ([More...](#))

J Clin Invest | Jan 4, 2022 | PubMed ID: 34793336 | Read Article

SIRT6 protects vascular smooth muscle cells from osteogenic transdifferentiation via Runx2 in chronic kidney disease

Wenxin Li, Weijing Feng, ..., Hui Huang

"... to constructed Sirt6-transgenic mice (SIRT6-Tg) of C57BL/6J background as was previously reported (). The phenotype of SIRT6-Tg mice and genotyping identification procedure were identified by **One Step Mouse Genotyping Kit (Vazyme)** according to the manufacturer's instructions.. Tail DNA was used to confirm mice positive for the transgene at 2 to ..." ([More...](#))

Front Microbiol | Nov 30, 2021 | PubMed ID: 34956150 | Read Article

Genomic Relatedness, Antibiotic Resistance and Virulence Traits of Campylobacter jejuni HS19 Isolates From Cattle in China Indicate Pathogenic Potential

Xiaoqi Zang, Pingyu Huang, ..., Jinlin Huang

"Prior to inoculation, fecal samples were collected to confirm the absence of colitogenic bacteria.. Mouse genotypes were identified using a PCR assay from Jackson Laboratories with a **one-step mouse genotyping kit (Vazyme, Nanjing, China)**.. In order to assess the enteritis induction ability of cattle isolates, mice of 6–7 ..." ([More...](#))

Theranostics | Sep 13, 2021 | PubMed ID: 34646380 | Read Article

TNF- α -dependent neuronal necroptosis regulated in Alzheimer's disease by coordination of RIPK1-p62 complex with autophagic UVRAG

Chong Xu, Jialin Wu, ..., Jian Sima

"... Concerning Experimental Animals (China) and approved by the China Pharmaceutical University Animal Ethics Committee.. Mice were genotyped by **One Step Mouse Genotyping Kit (Vazyme, Cat# PD104-01)**, according to manufacturer's instructions.. For DAB staining of paraffin sections, 5 μ m slices were fixed in 10% formaldehyde ..." ([More...](#))

Proc Natl Acad Sci U S A | Jul 13, 2021 | PubMed ID: 34260392 | Read Article

VLM catecholaminergic neurons control tumor growth by regulating CD8+ T cells

Ze Zhang, Yehua Li, ..., Xiaodong Wang

"... randomly chosen from the same cages to be included in experimental and control groups.. All mice were genotyped by using a **One Step Mouse Genotyping Kit (Vazyme Biotech Co. Ltd.)**.. The following two primer pairs were used for Dbh-Cre transgenic mice genotyping: Dbh-F: 5'-AATGGCAGAGTGGGGTTGGG-3' ..." ([More...](#))

STAR Protoc | Jun 11, 2021 | PubMed ID: 34169289 | Read Article

Protocol to establish a lung adenocarcinoma immunotherapy allograft mouse model with FACS and immunofluorescence-based analysis of tumor response

Zhengxin Peng, Man Yu, ..., Shuguo Sun

"... KPZ mice as the parents. c.F1 offsprings can be generated approximately 4 weeks later.. Perform genotyping. a. Tail lysis. i.Add 200 μ L 1 \times mouse tissue lysis buffer and 4 μ L 10 mg/mL **Proteinase K (Vazyme, CAT PD101-01)** to the tail and incubate at 55°C for 12h. ii.. Incubate at 95°C for 5 min and collect the supernatant by centrifugation at 140000 ..." ([More...](#))

FEBS Letters | Mar 23, 2021 | PubMed ID: 33686659 | Read Article

Centrosomal protein FOR20 knockout mice display embryonic lethality and left-right patterning defects

Zhangqi Xu, Min Liu, ..., Shanshan Xie

"Genomic DNA samples were prepared by **One-Step Mouse Genotyping Kit (Vazyme Biotech, China)**, and PCR conditions were described previously [11].. The amplicon size is 474 base pairs (bp) for the For20 wild-type allele and ..." ([More...](#))

Int J Biol Sci | Feb 17, 2021 | PubMed ID: 33767594 | Read Article

PTEN-mediated AKT/ β -catenin signaling enhances the proliferation and expansion of Lgr5+ hepatocytes

Jimin Han, Kaijun Lin, ..., Yaojiong Wu

"Genotyping of mice was performed using the **One-Step Mouse Genotyping Kit (Vazyme Biotech co., Ltd)**.. After a 3 mm mouse tail was cut into pieces, freshly prepared 200 μ L ..." ([More...](#))

Front Genet | Nov 16, 2020 | PubMed ID: 33304388 | Read Article

Cytosine Base Editor (hA3A-BE3-NG)-Mediated Multiple Gene Editing for Pyramid Breeding in Pigs

Yu Wang, Dengfeng Bi, ..., Jianguo Zhao

"... signal was seeded into 96-cell plates and cultured for 8 days to form colonies.. Base Editing Analysis and Single Cell Line GenotypingGenomic DNA of HEK293T and PFF cells was extracted using **One Step Mouse GenoTyping Kit (Vazyme, Nanjing, China)**.. The cell lysate was then used as the PCR template." ([More...](#))

Neuron | May 1, 2020 | PubMed ID: 32142647 | Read Article

A Plug-and-Latch Mechanism for Gating the Mechanosensitive Piezo Channel

Jie Geng, Wenhao Liu, ..., Bailong Xiao

"... previously constructed (Ge et al., 2015) using the pcDNA3.1 vector (Coste et al., 2010).. Other constructs were generated either from Piezo1-GST-ires-GFP or Piezo1-mRuby2 by using the one **step cloning kits (Vazyme Biotech)** according to the instruction manual.. HEK293T and Piezo1-KO-HEK293 cells were cultured DMEM supplemented with 10% FBS, 100 U ml-1 ..." ([More...](#))

J Neuroinflammation | Nov 26, 2019 | PubMed ID: 31771613 | Read Article

The role of Toll-like receptor 4 in apoptosis of brain tissue after induction of intracerebral hemorrhage

Xiaowei Fei, Yeting He, ..., Ruxiang Xu

"... 55 °C, and further inactivated with protein K for 5 min at 100 °C.. Polymerase chain reaction (PCR) was performed according to the protocol in **One Step Mouse Genotyping Kit (Vazyme; China)**.. The primers for TLR4-Mut were (forward) 5'-GCA AGT TTC TAT ATG CAT TCT C-3' ..." ([More...](#))

International Immunophar | Nov 1, 2019 | PubMed ID: 31476693 | Read Article

Eupatilin attenuates the inflammatory response induced by intracerebral hemorrhage through the TLR4/MyD88 pathway

Xiaowei Fei, Chen Chen, ..., Ruxiang Xu

"**Abstract:** Background: Intracranial hemorrhage (ICH) is one of the most common brain traumas, and inflammation caused by ICH seriously affects the quality of life and prognosis of patients. Eupatilin has been shown to have antiinflammatory effects in various diseases" ([More...](#))