

## Publications for VA-C601 (5min TA/Blunt-Zero Cloning Kit)

J Fungi Basel | Aug 15, 2022 | Read Article

### Identification of Gene Modules and Hub Genes Associated with *Sporisorium scitamineum* Infection Using Weighted Gene Co-Expression Network Analysis

Zongling Liu, Xiufang Li, ..., Baoshan Chen

"... ddH<sub>2</sub>O to a total volume of 20 µL. ... The PCR reaction involved the following: 95 °C for 30 s, 40 cycles of 95 °C for 10 s, and 60 °C for 30 s. The bE recombinant plasmid, pCE2-bE, constructed using the 5-min **TA/Blunt-Zero Cloning Kit** (C601, Vazyme, Nanjing, China) according to the manufacturer's instruction, was used to construct a standard curve.. Sugarcane sprouts were harvested and subjected to total RNA extraction ..." ([More...](#))

Front Microbiol | May 30, 2022 | PubMed ID: 35707163 | Read Article

### Tolerance of Senecavirus A to Mutations in Its Kissing-Loop or Pseudoknot Structure Computationally Predicted in 3' Untranslated Region

Fuxiao Liu, Di Zhao, ..., Hu Shan

"... using the FP3 and Universal Primer Mix as the forward and reverse primers, respectively.. The 3'-RACE products were analyzed by agarose gel electrophoresis, and then independently subcloned into linear plasmids using the **TA/Blunt-Zero Cloning Kit** (Vazyme, Nanjing, China) for bacterial transformation.. Five single colonies were picked from each agar plate for Sanger sequencing." ([More...](#))

Front Microbiol | May 10, 2022 | PubMed ID: 35620092 | Read Article

### Hybrid Sequencing Resolved Inverted Terminal Repeats in the Genome of Megavirus Baoshan

Yucheng Xia, Huanyu Cheng, Jiang Zhong

"Amplification reactions were performed using 2x Hieff® Canace PCR Master Mix (Yeasen, Shanghai, China) in a GeneAmp 2400 thermal cycler (Perkin-Elmer-Cetus, Norwalk, CT, United States), and amplification products were gel-purified using HiPure Gel Pure DNA Mini Kit (Magen, Guangzhou, China) and T/A-cloned using **5min TA/Blunt-Zero Cloning Kit** (Vazyme, Nanjing, China)." ([More...](#))

BMC Plant Biol | Apr 28, 2022 | PubMed ID: 35477355 | Read Article

### Characterisation of the *Mentha canadensis* R2R3-MYB transcription factor gene McMIXTA and its involvement in peltate glandular trichome development

Xiwu Qi, Zequn Chen, ..., Chengyuan Liang

"... (PCR) amplification using *M. canadensis* cDNA as template and primers listed in Table .. The PCR products were separated by gel electrophoresis and the target fragments were purified and cloned using the 5 min **TA/Blunt-Zero Cloning Kit** (Vazyme).. Positive clones were screened and sequenced by Sangon Biotech (Shanghai) Co., Ltd. for confirmation." ([More...](#))

bioRxiv | Mar 31, 2022 | Read Article

## Monitoring promoter activity by RNA editing based reporter

Wang Jing, Zhao Yu-Ting

"**PrePrint:** .. sites P<sub>ac</sub>I and S<sub>al</sub>I were introduced into the middle of homology arm by PCR.. Then the homology arms with restriction endonuclease sites were cloned into the pCE2 vector with **TA/Blunt-Zero Cloning Kit (Vazyme, Cat. #C601)**.. Meanwhile, the PCR products of ART RNA were digested with P<sub>ac</sub>I and S<sub>al</sub>I (NEB, ..." ([More...](#))

Hortic Res | Jan 20, 2022 | PubMed ID: 35048122 | Read Article

## Targeted creation of new mutants with compact plant architecture using CRISPR/Cas9 genome editing by an optimized genetic transformation procedure in cucurbit plants

Tongxu Xin, Haojie Tian, ..., Xueyong Yang

"... target site amplification was performed using KOD-One (TOYOBO) and the primers listed in .. To determine the mutations introduced by the CRISPR/Cas9 system, the PCR products amplified from different transgenic plants were cloned with the 5min **TA/Blunt-Zero Cloning Kit (Vazyme Biotech)**.. The positive colonies were sequenced, and sequences were aligned with WT genome sequences." ([More...](#))

Molecules | Nov 3, 2021 | PubMed ID: 34771064 | Read Article

## Molecular Cloning and Identification of NADPH Cytochrome P450 Reductase from Panax ginseng

Xian Zou, Yue Zhang, ..., Zhiyong Luo

"... laboratory, the target fragment was amplified by PrimeSTAR® Max DNA Polymerase (Takara, Beijing, China).. The PCR product was cloned into pCE2 TA/Blunt-Zero Vector by **5min™ TA/Blunt-Zero Cloning Kit (Vazyme, Nanjing, China)** and transformed into E. coli DH5 α.. The recombinant plasmid was isolated and sequenced by Tsingke Biotechnology." ([More...](#))

Front Cell Neurosci | Oct 22, 2021 | PubMed ID: 34744634 | Read Article

## Neutralization of Hv1/HVCN1 With Antibody Enhances Microglia/Macrophages Myelin Clearance by Promoting Their Migration in the Brain

Fan Wang, Xiao-Ru Ma, ..., Jing-Wei Zhao

"The PCR primer used are: F1, 5'-AATAAAAGCACGAGAAACCACC-3'; R1, 5'-CTGAACAGTTTCCTCAACATGC-3'; R2, 5'-CTT GTAGTTGATGTTCCAGGCA-3'.. The genomic PCR products of positive cell clones were ligated to pCE2-TA vector by **TA/Blunt-Zero Cloning Kit (Vazyme, Nanjing, China, C601-01)** and transformed into DH5α E. coli.. For each cell clone, at least 10 bacteria clones were evaluated by PCR and ..." ([More...](#))

Front Plant Sci | Oct 8, 2021 | PubMed ID: 34691091 | Read Article

## Rapid Mining of Candidate Genes for Verticillium Wilt Resistance in Cotton Based on BSA-Seq Analysis

Yanli Cui, Qun Ge, ..., Hongmei Wang

"... recycled using a Vazyme's FastPure Gel DNA Extraction Mini Kit (DC301, Vazyme, Nanjing, China).. The target fragment was connected and recombined with the carrier using a 5-min **TA/Blunt-Zero Cloning Kit (C601, Vazyme)**.. The recombinant product was transformed into competent cells DH5a, and monoclones grown from expanded ..." ([More...](#))

Molecules | Aug 16, 2021 | PubMed ID: 34443534 | Read Article

### **Bioevaluation of Pheretima vulgaris Antithrombotic Extract, PvQ, and Isolation, Identification of Six Novel PvQ-Derived Fibrinolytic Proteases**

Wanqing Yang, Wenjie Wang, ..., Shouying Du

"... 15 s at the right temperature ( $T_m$ ), and 1 min at 72 °C.. The PCR product was purified by the Gel/PCR extraction kit (Biomiga, San Diego, CA, USA) and subcloned into a pCE2 TA/Blunt-Zero vector at 37 °C using the 5 min **TA/Blunt-Zero Cloning kit (Vazyme, Nanjing, China)**.. The recombinant plasmids were transformed into E. coli DH5a and sequenced." ([More...](#))

Front Plant Sci | Jul 26, 2021 | PubMed ID: 34381472 | Read Article

### **Genome-Wide Identification of Triticum aestivum Xylanase Inhibitor Gene Family and Inhibitory Effects of XI-2 Subfamily Proteins on Fusarium graminearum GH11 Xylanase**

Yang Liu, Nannan Han, ..., Chuanxi Ma

"The PCR products were purified using FastPure™ Gel DNA Extraction Mini Kit (Vazyme, China).. The purified product was ligated with pBLUNT vector using 5 min **TM TA/Blunt-Zero Cloning Kit (Vazyme, China)**, and then transformed into E. coli competent cell Trans1-T1 (Transgen Biotech, China).. The positive clones were selected and sent to Shanghai Shenggong Biological Company for sequencing." ([More...](#))

Viruses | May 25, 2021 | PubMed ID: 34070281 | Read Article

### **Activation of the STAT3 Signaling Pathway by the RNA-Dependent RNA Polymerase Protein of Arenavirus**

Qingxing Wang, Qilin Xin, ..., Lei-Ke Zhang

"... were amplified using specific genomic cleavage detection primers (forward sequence: 5'-ACTTTCCGAATGCCTCCTCC-3'; reverse sequence: 5'-TGCTTTGTTTTGCTTGCTCC-3').. PCR production was ligated to T-vector using 5 × **TA/Blunt-Zero Cloning Kit (Vazyme, C601-01)**, followed by transforming into NEB stable bacteria.. At least 10 bacteria clones of each transformation were defined by Sanger sequencing and ..." ([More...](#))

Cell Death Dis | May 19, 2021 | PubMed ID: 34011928 | Read Article

### **Alternative polyadenylation trans-factor FIP1 exacerbates UUO/IRI-induced kidney injury and contributes to AKI-CKD transition via ROS-NLRP3 axis**

Tong Zheng, Yuqin Tan, ..., Ning Na

"The nested PCR was performed with NLRP3 GSP-2 primer and 3'RACE inner primer.. The products of PCR were cloned with **TA/Blunt-Zero cloning kit (Vazyme, Wuhan, China)** and further sequenced.. All primer sequences are listed in Supplementary Table ." ([More...](#))

Biosaf Health | May 17, 2021 | PubMed ID: 34027383 | Read Article

### **Comprehensive interactome analysis of the spike protein of swine acute diarrhea syndrome coronavirus**

Qingxing Wang, Yun Luo, ..., Leike Zhang

"The modified regions were amplified using specific genomic cleavage detection primers.. PCR production was ligated to T-vector by using 5 × **TA/Blunt-Zero Cloning Kit (Vazyme, C601-01)**, followed by transforming into NEB stable bacteria.. At least 10 bacteria clones of each transforming were defined by Sanger sequencing and ..." ([More...](#))

Antimicrob Agents Chemot | Mar 18, 2021 | PubMed ID: 33431412 | Read Article

### **The C2H2 Transcription Factor SlmA Contributes to Azole Resistance by Coregulating the Expression of the Drug Target Erg11A and the Drug Efflux Pump Mdr1 in Aspergillus fumigatus**

Wenlong Du, Pengfei Zhai, ..., Ling Lu

"... generate strain DWA44 (SlmA $\Delta$ C-FLAG), the fragments were cloned with primer pairs Com-sltA-F/ $\Delta$ C-R-FLAG and FLAG-F/Hph-R.. The two fragments were cloned into **plasmid Blunt-Zero (Vazyme Biotech Co., Ltd.; C601-01)** to generate plasmid pWL24, which was transformed into DWA01." ([More...](#))

Front Physiol | Aug 31, 2020 | Read Article

### **Odorant-Binding Proteins Contribute to the Defense of the Red Flour Beetle, Tribolium castaneum, Against Essential Oil of Artemisia vulgaris**

Yuan-Chen Zhang, Shan-Shan Gao, ..., Bin Li

"... followed by a final extension at 72°C for 10 min.. The PCR product was detected using 1.2% agarose gel and the expected product was purified by FastPure Gel DNA Extraction Mini Kit (Vazyme Biotech), cloned into Blunt-Zero Vector via **Blunt-Zero Cloning Kit (Vazyme Biotech)**, and then transformed into competent cells of Escherichia coli.. Positive clones were identified by blue-white screening and the resulting ..." ([More...](#))

Genes Basel | Aug 28, 2020 | PubMed ID: 32872161 | Read Article

### **The Role of Agriculture in the Dissemination of Class 1 Integrons, Antimicrobial Resistance, and Diversity of Their Gene Cassettes in Southern China**

Niyaz Ali, Yinfu Lin, ..., Ronghui Wen

"... extracted using a gel extraction kit (Vazyme, Nanjing, China) according to the manufacturer's instructions.. The DNA fragments were cloned into a blunt cloning vector using a **TA/Blunt-Zero Cloning Kit (Vazyme, Nanjing, China)**, according to the

manufacturer's instructions, and accordingly transferred into E. coli DH5α competent cells.. These cells were then cultured overnight on LA medium containing ampicillin at a concentration ..." ([More...](#))

Arch Virol | Jul 8, 2020 | PubMed ID: 32643035 | Read Article

### **Epidemiological and phylogenetic analysis of canine kobuviruses in Tangshan, China**

Zhaoyang Wang, Yajun Jiang, ..., Hong Jia

"... CaKoV by PCR or RT-PCR according to previously described procedures [ , - ].. The purified amplification products of the CaKoV 3D gene fragment and the VP1 gene were ligated into a Blunt-Zero cloning vector using a 5 min **TA/Blunt-Zero Cloning Kit (Vazyme Biotech Co., Ltd., Nanjing, China)**.. Recombinant Blunt-Zero cloning vectors were introduced into DH5α competent cells by transformation, and individual ..." ([More...](#))

BMC Plant Biol | Jun 11, 2020 | PubMed ID: 32527219 | Read Article

### **Genome-wide analysis of the Saccharina japonica sulfotransferase genes and their transcriptional profiles during whole developmental periods and under abiotic stresses**

Chang Lu, Zhanru Shao, ..., Delin Duan

"... for 90 s, and a final extension at 72 °C for 10 min. ... The PCR products were purified using the gel-cutting recovery kit (Insight, China) and inserted into TOPO cloning vector using a 5 min **TA/Blunt-Zero Cloning Kit (Vazyme, China)**.. The 5 μL ligation mixture contained 1 μL 5 × TA/Blunt-Zero Cloning Mix and ..." ([More...](#))

Int J Mol Sci | Apr 14, 2020 | PubMed ID: 32295287 | Read Article

### **Identification and Characterization of microRNAs in the Developing Seed of Linseed Flax (Linum usitatissimum L.)**

Tianbao Zhang, Zhen Li, ..., Xinwu Pei

"First of all, the 500 μg total RNA by Oligolex ® mRNA mini Kit (Qiagen, Hilden, Germany) enrichment of mRNA, further use of First Choice ® RLM-RACE Kit (Ambion, Foster, CA, USA) for the enrichment of mRNA and 5' joints, reverse transcription cDNA, the use of nested PCR for two rounds of amplification, recycling series connected to **5min™ TA/Blunt-Zero Cloning Kit (Vazyme, Nanjing, China)** and sequencing." ([More...](#))