

## Publications for VA-C115 (ClonExpress Ultra One Step Cloning Kit)

Front Plant Sci | May 3, 2022 | Read Article

### The Carotenoid Esterification Gene BrPYP Controls Pale-Yellow Petal Color in Flowering Chinese Cabbage (*Brassica rapa* L. subsp. *parachinensis*)

Peirong Li, Sirui Lv, ..., Fenglan Zhang

1x

#### Article Snippet

"... SnaBI restriction sites and homologous arms on both sides was designed (TTAAACTACTTAGCTCCGCTTCGGGCTCTCCTGTCTCGAGACAGGAGAGAGCCCGAAGACGGAGCTAAGTAGTT TAA).. The palindromic DNA fragment was produced by Nanjing Genscript Technology Company (Nanjing, China) and linked to pTYs using the **ClonExpress Entry One Step Cloning Kit (Vazyme)** (pTYsBrPDS and pTYsBrPYP).. The plasmid was then transformed into competent Super Stbl3 (Beijing, Huayueyang) on an Ampicillin ..." ([More...](#))

#### Figure Legend

"Molecular **cloning** and confirmation of the BrPYP gene. (A) RT-PCR ..." ([More...](#))

Front Microbiol | Apr 28, 2022 | Read Article

### Characterization and Genomic Analysis of a Novel Jumbo Bacteriophage vB\_StaM\_SA1 Infecting *Staphylococcus aureus* With Two Lysins

Bingyan Zhang, Huzhi Sun, ..., Huiying Ren

1x

#### Article Snippet

"... ORF210 (lys210) and ORF211 (lys211) were amplified by PCR with primers listed in .. The recombinant plasmids pET-28a-lys210 and pET-28a-lys211 were constructed using **ClonExpress Ultra One Step Cloning Kit (Vazyme, China)**.. The recombinant plasmids were verified by sequencing and transformed into *E. coli* BL21." ([More...](#))

#### Figure Legend

"**One-step** growth curve of phage SA1. (A) Adsorption curve ..." ([More...](#))

Cell Commun Signal | Aug 19, 2022 | Read Article

### **New** Poly(ADP-ribosyl)ation of acetyltransferase NAT10 by PARP1 is required for its nucleoplasmic translocation and function in response to DNA damage

Hong-YiHong-Yi Liu Liu, Ying-YingYing-Ying Liu Liu

"... (Vigene, #CH874058), and GFP-tagged NAT10 (Origene, #RG207082) cDNAs have been described previously [ ]. Molecular cloning was performed using either the **ClonExpress Ultra One Step Cloning Kit (Vazyme, #C115-02)** or CloneEZ PCR Cloning Kit (Genscript, #L00339).. Amino-acid substitutions and deletion mutants were generated using PCR-directed mutagenesis." ([More...](#))

Viruses | Aug 15, 2022 | Read Article

## Porcine Enteric Coronavirus PEDV Induces the ROS-ATM and Caspase7-CAD-γH2AX Signaling Pathways to Foster Its Replication

Xin Ming, Huan Chen, ..., Yingjuan Qian

"... cells, and ICAD mutants were amplified from ICAD construct with primers listed in .. PCR fragments were cloned into pcDNA3-Flag using **ClonExpress Ultra One Step Cloning Kit (Vazyme Biotech, Inc. Nanjing, China)**. Hydroxyurea (HU), Apocynin (APO), Acetylcysteine (NAC), Diphenyleneiodonium chloride (DPI), and caspase 3/7 inhibitors Ac-DEVD-CHO, ..." ([More...](#))

Mar Drugs | Aug 15, 2022 | PubMed ID: 36005523 | Read Article

## The Discovery, Enzymatic Characterization and Functional Analysis of a Newly Isolated Chitinase from Marine-Derived Fungus *Aspergillus fumigatus* df347

Ya-Li Wu, Sheng Wang, ..., Li-Xia Pan

"... RIL were used for gene cloning and heterologous expression, respectively.. 2X Taq Master Mix (Dye Plus) (Vazyme Biotech Co., Ltd, Nanjing, China), 2XPhanta® Max Master Mix (Dye Plus) (Vazyme Biotech Co., Ltd, Nanjing, China), **ClonExpress® Ultra One Step Cloning Kit (Vazyme Biotech Co., Ltd, Nanjing, China)** and the restriction enzymes were purchased from Vazyme (Nanjing, China).. Chitin powder (from shrimp shells) was purchased from Aladdin (Shanghai, ..." ([More...](#))

Front Plant Sci | Aug 10, 2022 | Read Article

## PpMYB52 negatively regulates peach bud break through the gibberellin pathway and through interactions with PpMIEL1

Yuzheng Zhang, Qiuping Tan, ..., Ling Li

"... primers used were designed using CE Design v1.04 (Vazyme) and are shown in .. The vectors were constructed using a **ClonExpress Ultra One Step Cloning Kit (C115, Vazyme)** according to the manufacturer's instructions.. Full-length PpMYB52 was inserted into the pRI101 vector under the control of the CaMV35S ..." ([More...](#))

Virulence | Jul 28, 2022 | PubMed ID: 35903019 | Read Article

## Identification of the RNA-binding domain-containing protein RbpA that acts as a global regulator of the pathogenicity of *Streptococcus suis* serotype 2

Xiaojun Zhong, Jiale Ma, ..., Huochun Yao

"Thereinto, the putative promoter sequence was predicted by the BProm program (SoftBerry).. These two fragments were fused by overlap extension PCR, which was further inserted into the pSET2 vector using **ClonExpress Ultra One Step Cloning Kit (Vazyme)** [ ]. The recombinant pSET2 plasmid was verified by PCR and sequencing, which was further transformed ..." ([More...](#))

Biology Basel | Jul 27, 2022 | Read Article

## Improving Degradation of Polycyclic Aromatic Hydrocarbons by *Bacillus atrophaeus* Laccase Fused with *Vitreoscilla* Hemoglobin and a Novel Strong Promoter Replacement

Luyao Wang, Yuzhi Tan, ..., Zhihong Xin

"The pAD123-RFP1 vector harboring the T7 promoter was used as a positive control.. The strongest identified promoter was selected to replace the T7 promoter in the original vector using the **ClonExpress Ultra One Step Cloning Kit (Vazyme)**.. The recombinant plasmids Lach5-wzJ1 and Lach5-vgb-wzJ1 were constructed, and the recombinant proteins were expressed, ..." ([More...](#))

Biomark Res | Jul 27, 2022 | PubMed ID: 35897085 | Read Article

### **5mC and H3K9me3 of TRAF3IP2 promoter region accelerates the progression of translocation renal cell carcinoma**

Lei Yang, Yi Chen, ..., Dongmei Li

"... the nuclear localization signal (NSL) was added to the C-terminus of inactive Cas9 (dCas9).. The gRNA expression box containing the MS2 stem-loop was subcloned from LentiSAM V2 (Puro) by **ClonExpress Ultra One Step Cloning Kit (C115, Vazyme)**.. Thus, the CRISPR-Cas9 complex could recruit the MS2-HNRNPK, MS2-DNMT1, or MS2-SETDB1 by the MS2 ..." ([More...](#))

Virolog Sin | Jul 1, 2022 | PubMed ID: 35781091 | Read Article

### **Comparison of viral propagation and drug response among SARS-CoV-2 VOCs using replicons capable of recapitulating virion assembly and release**

Lingqian Tian, Qihong Liu, ..., Yun Wang

"... of each primer used to amplify the viral cDNA clone are diagramed in A.. To accommodate the viral cDNA clone into a bacterial artificial chromosome (BAC), several genetic elements were introduced into a previously described BAC vector pGF ( ) by using the **ClonExpress Ultra One Step Cloning Kit (Vazyme)**.. These elements (from 5'-3') included a CMV promoter, a hepatitis delta virus self-cleaving ribozyme ..." ([More...](#))

J Fungi Basel | Jun 30, 2022 | PubMed ID: 35887449 | Read Article

### **Establishment of CRISPR/Cas9 Genome-Editing System Based on Dual sgRNAs in Flammulina filiformis**

Xiaotian Liu, Jiangnan Dong, ..., Ang Ren

"... fragments FfU6-1-2 and sgRNA2 were amplified by the primer pairs FfU6-1-F2/FfU6-1-R2 and pyrG-sgRNA2-F/pyrG-sgRNA2-R, respectively.. By means of a **ClonExpress Ultra One Step Cloning Kit (Vazyme, Nanjing, China)**, the four purified fragments—FfU6-1-1, sgRNA1, FfU6-1-2, and sgRNA2—were sequentially ligated into the Not I digested vector pXT-300, yielding plasmid pXT-302-FfpyrG-1.. The plasmid-containing FfU6-3 promoter, named pXT-302-FfpyrG-3, was constructed through the same steps as described ..." ([More...](#))

Front Plant Sci | Jun 23, 2022 | PubMed ID: 35812978 | Read Article

### **Identification, Molecular Cloning, and Functional Characterization of a Coniferyl Alcohol Acyltransferase Involved in the Biosynthesis of Dibenzocyclooctadiene Lignans in Schisandra chinensis**

Ting-Yan Qiang, Jiu-Shi Liu, ..., Hai-Tao Liu

"... and a final extension step for 5 min at 72°C.. Subsequently, the amplification products of proper length were purified by using Gel DNA Mini Purification Kit (Aidlab Biotechnology, Beijing, China) and ligated into the pET-28a vector digested by QuickCut™ Eco RI through seamless cloning by using **ClonExpress Ultra One Step Cloning Kit (Vazyme, Nanjing, China)**.. The recombinant plasmid was transformed into Escherichia coli DH5α competent ..." ([More...](#))

bioRxiv | Jun 17, 2022 | Read Article

### **KLF7 Promotes Preadipocyte Proliferation via Activation of the Akt Signaling Pathway by Cis-regulating CDKN3**

Jia Ziqiu, Jin Zhao

"**PrePrint:** .. specific primers containing the Kpn I and Hind III restriction sites ( ) .. The PCR products were cloned into the pGL3-Basic (Promega, Madison, WI, USA) vector using a **ClonExpress Entry One Step Cloning Kit (Vazyme, Nanjing, China)**.. Through DNA synthesis (Genewiz, Suzhou, China), the four putative KLF7-binding sites (nt -137/-128, -87/-79, ..." ([More...](#))

Front Microbiol | Jun 15, 2022 | PubMed ID: 35783377 | Read Article

### **Cat8 Response to Nutritional Changes and Interaction With Ehrlich Pathway Related Factors**

Zhengda Du, Hong Deng, ..., Xiuping He

"... fragments from the YS58 genome, and also amplified Myc tag from the commercial plasmid.. The linearized plasmid, Myc tag, and gene fragment were mixed and cloned with **ClonExpress Ultra One Step Cloning Kit (Vazyme Biotech Co., Ltd., China)** to obtain YEpA-ARO80-Myc, YEpA-GLN3-Myc, and YEpA-GAT1-Myc plasmids." ([More...](#))

Int J Mol Sci | Jun 15, 2022 | PubMed ID: 35743113 | Read Article

### **Comprehensive Analysis for GRF Transcription Factors in Sacred Lotus (Nelumbo nucifera)**

Gui-Zhen Chen, Jie Huang, ..., Dong-Hui Peng

"... performed using Phanta Super-Fidelity DNA Polymerase (Vazyme, Nanjing, China) with cDNA as a template.. Then, the NuGRF1 coding sequence was cloned into the pMDC202 vector, which contains a 35s-driven green fluorescent protein (GFP) promoter, using the **In-Fusion Cloning Kit (ClonExpress® Ultra One Step Cloning Kit, Vazyme, Nanjing, China)**.. The restriction sites were XbaI and KpnI." ([More...](#))

BMC Vet Res | May 30, 2022 | PubMed ID: 35637527 | Read Article

### **TRIM4-mediated ubiquitination of NSP2 restricts porcine reproductive and respiratory syndrome virus proliferation**

Mengmeng Zhao, Huiyang Sha, ..., Ruining Wang

"... were separated with the FastPure Gel DNA Extraction Mini Kit (Vazyme, # DC301). ... The purified PCR products and p3XFLAG-CMV-7.1 vector (Sigma-Aldrich) were double-

digested and ligated using the **ClonExpress Ultra One Step Cloning Kit** (Vazyme, # C115).. The Mix & Go!" ([More...](#))

mSystems | May 26, 2022 | PubMed ID: 35615956 | Read Article

### **Single-Fluorescence ATP Sensor Based on Fluorescence Resonance Energy Transfer Reveals Role of Antibiotic-Induced ATP Perturbation in Mycobacterial Killing**

Lujie Liang, Daixi Lin, ..., Siyuan Feng

"... 15- to 20-bp overlapping arms homologous with the 3' end of the restricted plasmid.. The purified plasmid and target fragment were mixed at a molar ratio of 1:3, 2× ClonExpress mix (**ClonExpress Ultra one-step cloning kit**; Vazyme) was added to the reaction mixture, and the sample was incubated in a thermocycler at 50°C for 15 min.. The target fragment was inserted into the restricted plasmid through homologous recombination with three ..." ([More...](#))

J Fungi Basel | May 25, 2022 | PubMed ID: 35736047 | Read Article

### **Mating-Type Genes Play an Important Role in Fruiting Body Development in *Morchella sextelata***

Qizheng Liu, Shan Qu, ..., Caihong Dong

"... sites of the plasmid pFGL815-hyg using a T4 DNA ligase (NEB, Boston, MA, USA).. Then, a 440-bp functional sequence of mat1-2-1 was inserted using a **ClonExpress Ultra One Step Cloning Kit** (Cat No. C115, Vazyme Biotech Co., Ltd., Nanjing, China).. Finally, RNA silencing plasmids were obtained and named pFGL815-hyg-ms-mat121-RNAi." ([More...](#))

Nat Commun | May 19, 2022 | PubMed ID: 35589728 | Read Article

### **Multiplex base- and prime-editing with drive-and-process CRISPR arrays**

Qichen Yuan, Xue Gao

"... (5 U, Thermo Fisher Scientific) was cycled between 37 °C and 16 °C for 5 min at each temperature for 15 cycles then subjected to a 60 °C incubation for 5 min; a 5 µl or 10 µl Gibson assembly system (**ClonExpress Ultra One Step Cloning Kit**, Vazyme) containing purified DNA pieces and the enzymatic mix was incubated at 50 °C for 15 min. Transformations were performed using Stbl3 competent cells (10<sup>8</sup> –10<sup>9</sup> CFU/µg DNA) prepared by Mix & Go!" ([More...](#))

bioRxiv | May 14, 2022 | Read Article

### **Detecting apoptosis via DODO**

Zhang Ziheng, Sun Zhe

"**PrePrint:** .. biology techniques and confirmed by exhaustively sequencing the cloned fragments.. In particular-for pLV-ZsGreen-IRES-mCherry-TEV-degron, we introduced the TEV cleavage sequence (5'-GAGAACCTGTACTTCCAGAGC-3', Amino acid sequence ENLYFOS) between the C-terminal of mCherry and degron by **ClonExpress Ultra One Step Cloning Kit** (Vazyme, C11501).. For the plasmid to report apoptosis, we replaced the TEV ..." ([More...](#))

