

## Publications for VA-C112 (ClonExpress II One Step Cloning Kit)

Front Plant Sci | May 2, 2022 | Read Article

### Zinc Transporter ZmLAZ1-4 Modulates Zinc Homeostasis on Plasma and Vacuolar Membrane in Maize

Bingliang Liu, Haoqiang Yu, ..., Fengling Fu

1x

#### Article Snippet

"... vs. the temperature to generate melting curves of ZmLA1-4 incubated with each predicted substrate.. The CDS of ZmLAZ1-4 was amplified from pMD19-T-ZmLAZ1-4 plasmid ( ) by using primers pYES2F/pYES2R ( ) and used for construction of yeast expression vector pYES2-ZmLAZ1-4 by using **ClonExpress® II One Step Cloning Kit (Vazyme Biotech, Nanjing, China)**.. The pYES2-ZmLAZ1-4 and empty vector pYES2 were transformed into yeast Zn-sensitive mutant  $\Delta zrc1$  ( ..." ([More...](#))

#### Figure Legend

"... respectively. WT, wild type. ZmLA1-4 I and ZmLA1-4 II represent homozygous lines. \* p" ([More...](#))

Front Plant Sci | Apr 28, 2022 | Read Article

### CsbZIP2-miR9748-CsNPF4.4 Module Mediates High Temperature Tolerance of Cucumber Through Jasmonic Acid Pathway

Lan Li, Guangling Chen, ..., Jin Sun

1x

#### Article Snippet

"The full-length CDS of CsaV3\_5G039430 was amplified with the specific primers ( ) and inserted into pBI121 using the **ClonExpress II One Step Cloning Kit (Vazyme, Nanjing, China)** to obtain 35S :: CsaV3\_5G039430-GUS vector.. For mutation 6 bases of miR9748 binding sites in CsaV3\_5G039430, the CDS was amplified ..." ([More...](#))

#### Figure Legend

"... is from predicted transcriptional start sites. (B) Yeast **one-hybrid** assay showing the binding of CsbZIP2 to MIR9748" ([More...](#))

PLoS Pathog | Apr 28, 2022 | PubMed ID: 35482828 | Read Article

### The SUMO E3 ligase activity of ORF45 determines KSHV lytic replication

Zhenshan Liu, Xin Wang, ..., Qiming Liang

1x

#### Article Snippet

"ORF45 homologues from RRV, HVS, MHV68 or EBV were synthesized by GenScript.. The mutations of ORF45, SUMO1, or SUMO2 were generated using **ClonExpress II One Step Cloning Kit (Vazyme Biotech, #C122-01)**.. RSK1, RSK2, ORF45KSHV, ORF45RRV, ORF45HVS, ORF45MHV68, ORF45EBV, ORF45F66A, ..." ([More...](#))

#### Figure Legend

"... post-transfection. ( E ) RRV ORF45 only contains **one** SIM. Alignment between ORF45 RRV SIM and well-characterized ..." ([More...](#))

Front Plant Sci | Apr 27, 2022 | Read Article

## Identification and Analysis of bZIP Family Genes in *Sedum plumbizincicola* and Their Potential Roles in Response to Cadmium Stress

Zhuchou Lu, Wenmin Qiu, ..., Renyin Zhuo

1x

### Article Snippet

"The SpbZIP60 coding sequence without the stop codon was fused to the mGFP-encoding sequence in the pCAMBIA1302 expression vector using the **ClonExpress II One Step Cloning Kit (Vazyme, Nanjing, China)**.. *Agrobacterium tumefaciens* GV3101 cells were transformed with the recombinant plasmid, which was then transferred ..." ([More...](#))

### Figure Legend

"... independent biological replicates. Significant differences according to a **one-way** analysis of variance are denoted" ([More...](#))

Front Genet | Apr 25, 2022 | Read Article

## Functional Analysis of an Intronic FBN1 Pathogenic Gene Variant in a Family With Marfan Syndrome

Kui Hu, Yun Wan, ..., Daokang Xiang

1x

### Article Snippet

"... proband, using the following primer pairs: 5'- AAGCTTGGTACCGAGCTCGGATCCACCCAATGTCTG TGGATCACGTTATAAT-3' and 5'- ATGAGACAAGAATTATGACTCACTTGCCCAAACCC-3', 5'-GAGTCA TAATTCTTGTCTCATATGGTACTCAAGGCA-3' and 5'-TTAAACGGGCCCTCTAGACTCGAGGTTGTCCAC AGTGAGTCCCTATGTATCC-3'.. The amplified products were cloned into a pMini-CopGFP vector (Beijing Hitrobio Biotechnology Co., Ltd.) double digested at the restriction sites BamHI and XhoI using a **ClonExpress II One Step Cloning Kit (Vazyme, Nanjing, China)**.. Sanger sequencing was used to verify WT and MT minigene plasmids to be selected ..." ([More...](#))

### Figure Legend

"... exon 4, resulting in a 2 bp insertion (ii) and 282 bp insertion (iii); (D) the schematic ..." ([More...](#))

Int J Mol Sci | Apr 19, 2022 | PubMed ID: 35562889 | Read Article

## Discovery of Five New Ethylene-Forming Enzymes for Clean Production of Ethylene in *E. coli*

Yixuan Cui, Ying Jiang, ..., Maurycy Daroch

1x

### Article Snippet

"... sequences were obtained from NCBI, reverse translated, and synthesised by BGI Write (Beijing, China).. Efe genes were combined to EcoRV-predigested pBAD\_LIC\_cloning\_vector using **ClonExpressII One Step Cloning Kit (Vazyme, Nanjing)** ( ..). Primers for the assembly were designed with 15–20 bp overhangs (underlined)." ([More...](#))

### Figure Legend

"... rose-red proteobacteria. The sequences used in the next **step** are marked with dots of relevant different colours. " ([More...](#))

Elife | Nov 12, 2020 | PubMed ID: 33179593 | Read Article

## BLOS1 mediates kinesin switch during endosomal recycling of LDL receptor

Chang Zhang, Chanjuan Hao, ..., Wei Li

1x

### Article Snippet

"For the construction of KIF3A-FLAG-KIF3B-Myc-BLOS1-HA co-overexpression plasmid, the expression cassette of KIF3B-Myc was amplified and then introduced into BspTI digested KIF3A-FLAG plasmid by recombination (**ClonExpress II One Step Cloning Kit, Vazyme**) after which the BspTI site was kept intact, and the expression cassette of BLOS1-HA was inserted by a similar procedure." ([More...](#))

#### Figure Legend

"... of microtubules (stained by  $\alpha$ -Tubulin) in control and **KIF3A-KD** cells. ( b ) Quantification of the microtubule ..." ([More...](#))

J Vet Diagn Invest | Apr 9, 2020 | PubMed ID: 32270752 | Read Article

### **An efficient fiber-based ELISA for detection of antibody against fowl adenovirus serotypes 7 and 8**

Hao Lu, Weikang Wang, ..., Jianqiang Ye

1x

#### Article Snippet

"... and 72°C for 2 min, and finally 1 cycle of 72°C for 10 min.. The purified PCR product for the fiber gene was then ligated with the purified linear **pGEX-6P-1** (Exnase II; ClonExpress II kit; **Vazyme Biotech**) and transformed into regular chemically competent cells as described previously.. Positive recombinants were confirmed by sequencing and designated as GST-fiber." ([More...](#))

#### Figure Legend

"... lysate of the BL21 cells transformed with vector **pGEX-6p-1**; lane 2: supernatant of the lysate of the ..." ([More...](#))

PeerJ | Jan 11, 2018 | PubMed ID: 29340249 | Read Article

### **A streptomycin resistance marker in H. parasuis based on site-directed mutations in rpsL gene to perform unmarked in-frame mutations and to verify natural transformation**

Ke Dai, Xintian Wen, ..., Yiping Wen

1x

#### Article Snippet

"... restriction digests were performed using the DNA Fragment Purification Kit Ver.4.0 (TaKaRa, Shiga, Japan).. In-fusion segments were recombined to linearized pK18mobsacB (EcoRI/BamHI) using a **ClonExpress II One Step Cloning Kit (Vazyme, Jiangsu Sheng, China)**.. Restriction enzymes were purchased from TaKaRa." ([More...](#))

#### Figure Legend

"... segment was then cloned into pK18mobSacB by a **ClonExpress II One Step Cloning Kit (Vazyme, Jiangsu Sheng, )**" ([More...](#))

Nat Commun | Aug 25, 2022 | Read Article

### **New** **CK2-induced cooperation of HHEX with the YAP-TEAD4 complex promotes colorectal tumorigenesis**

Yuegui Guo, Zhehui Zhu, ..., Chen-Ying Liu

"... FLAG-TEAD2, and FLAG-TEAD3 plasmids were kindly provided by Dr. Faxing Yu from Fudan University.. The pcDNA3-3XHA-HHEX, pRK7-FLAG-HHEX, pRK7-FLAG-TEAD4, pcDNA3-3XHA-CK2 $\alpha$ , and pcDNA3-3XHA-CK2 $\beta$  plasmids were newly constructed for transient transfection by using the **ClonExpress II One Step Cloning Kit (Vazyme, China)**.. The HHEX, CK2 $\alpha$ , and TEAD4 mutants were generated with a KOD mutagenesis kit (Toyobo, ...)" ([More...](#))

Microb Cell Fact | Aug 23, 2022 | PubMed ID: 35999536 | Read Article

**New** **Enhancement of ergothioneine production by discovering and regulating its metabolic pathway in *Cordyceps militaris***

Bai-Xiong Chen, Ling-Na Xue, ..., Jun-Fang Lin

"... ] by Phanta Max Super-Fidelity DNA polymerase (Vazyme Biotech, Nanjing, China) with default conditions.. All the vectors used in this study were constructed by overlap-PCR and **ClonExpress II One Step Cloning Kit (Vazyme Biotech, Nanjing, China)**.. The backbone vector used for the construction of synthetases overexpression in *C. militaris* was ..." ([More...](#))

bioRxiv | Aug 23, 2022 | Read Article

**New** **A *Peronophythora litchii* RXLR effector PIAvh202 enhances plant susceptibility by destabilizing host SAMS**

Li Peng, Li Wen

"**PrePrint:** .. and LcSAMS genes were amplified from the cDNA of *N. benthamiana* and *litchi* .. These amplified fragments were digested with *Sma* I and cloned into pBinRFP and pBinGFP2 using **ClonExpress II One Step Cloning Kit (Vazyme)** for transient expression of *N. benthamiana* .. In addition, the amplified fragments of PIAvh202 and SAMS were digested with *Bam* HI ..." ([More...](#))

bioRxiv | Aug 23, 2022 | Read Article

**New** **Targeted genome editing in grape using multiple CRISPR-guided editing systems**

Ren Chong, Lin Yanping

"**PrePrint:** .. amplified from the pDR5-RUBY vector ( ) using the primers RUBY-PCR-F/R (Supplemental Table S6).. Then the amplified RUBY gene was cloned into pBI121-GUS in place of the GUS gene through *Bam* HI and *Sac*I sites via homologous recombination (HR) by using the **ClonExpress II One Step Cloning Kit (Vazyme)** to develop the pBI-RUBY vector.. To develop the LbCpf1 editing vector, the LbCpf1 gene was amplified from pCAMBIA-LbCpf1 construct ..." ([More...](#))

Int J Mol Sci | Aug 22, 2022 | Read Article

**New** **Panicle Apical Abortion 7 Regulates Panicle Development in Rice (*Oryza sativa* L.)**

Dongqing Dai, Huali Zhang, ..., Liangyong Ma

"For the complementary assay, full-length gDNA of LOC\_Os07g47320, LOC\_Os07g47330, and LOC\_Os07g47340 were cloned into pCAMBIA1300 *Bam*HI site using **ClonExpress II One Step Cloning Kit (Vazyme, Nanjing, China)**, respectively.. For the over-expression vector, full-length cDNA of LOC\_Os07g47330 was cloned into pUBI-Flag-GFP *Kpn*I ..." ([More...](#))

Biotechnol Biofuels Biop | Aug 22, 2022 | Read Article

**New** **Sorbicillinoids hyperproduction without affecting the cellulosic enzyme production in *Trichoderma reesei* JNTR5**

Chengcheng Li, Ruihan Gu, ..., Huining Xiao

"The primers used for gene amplification are presented in Additional file : Table S1.. The resulting gene was treated with *Xba* I and ligated with *Xba* I-treated plasmid pDht/sk according to the instruction of the **ClonExpress One Step Cloning Kit (Vazyme, China)**, obtaining the plasmid pTr69957 (Fig. A).. The AMT method was used for transformation [ ]." ([More...](#))

Int J Mol Sci | Aug 20, 2022 | Read Article

**New** **GcvB Regulon Revealed by Transcriptomic and Proteomic Analysis in *Vibrio alginolyticus***

Bing Liu, Jianxiang Fang, ..., Chang Chen

"... the primer sets hfq -ORF\_F / hfq -ORF\_R ( ). The plasmid pET28b was amplified with linearized primer pairs pET28b\_F/R, and the fragments were then inserted into plasmid pET28b with a **ClonExpress® II One Step Cloning Kit (Vazyme Biotech Co., Ltd., Nanjing, China)** to obtain a recombinant plasmid, which was transformed into *E. coli* BL21 (DE3)-competent cells.. Strain pET28b-Hfq/BL21 (DE3) was grown to an OD600 of approximately ..." ([More...](#))

J Fungi Basel | Aug 20, 2022 | Read Article

**New** **Small GTPase FoSec4-Mediated Protein Secretion Is Important for Polarized Growth, Reproduction and Pathogenicity in the Banana Fusarium Wilt Fungus *Fusarium odoratissimum***

Yuru Zheng, Pingting Guo, ..., Yingzi Yun

"... to amplify the upstream and downstream fragments of all genes are listed in .. For complementation, we amplified the ORF with its native promoter using the primer pairs in , cloned it into pKNT vectors using a **One Step Cloning Kit (Vazyme Biotech, Nanjing, China)**, and verified it using a sequence analysis.. Each construct was transformed into protoplasts of the target mutant, along with a neomycin ..." ([More...](#))

BMC Plant Biol | Aug 20, 2022 | Read Article

**New** **A maize heat shock factor ZmHsf11 negatively regulates heat stress tolerance in transgenic plants**

Qianqian Qin, Yujun Zhao, ..., Haiyang Jiang

"... h, the protoplasts were observed by laser scanning microscopy (LSM800, Carl Zeiss, Jena, Germany).. The coding sequence of the ZmHsf11 gene was homologous recombined into the pGBKT7 vector using EcoR I restriction enzyme and **ClonExpress II One Step Cloning Kit (Vazyme C112-01)**, and primers are shown in Supplementary Table S1.. The recombinant plasmid pGBKT7-ZmHsf11 was transformed into yeast strain Y2H Gold by PEG/LiAc method." ([More...](#))

Cells | Aug 18, 2022 | Read Article

**New** **Rychc Confers Extreme Resistance to Potato virus Y in Potato**

Gege Li, Jingjing Shao, ..., Xingkui Cai

"... codon to the stop codon were cloned into pBI121, which contains a 35S promoter.. The pBI121 was digested with XbaI and SacI, using the **ClonExpress® II One Step Cloning Kit (Vazyme, Nanjing, China)**, according to the manufacturer's instructions.. Three vectors were introduced into the *Agrobacterium tumefaciens* strain GV3101, using the heat shock ..." ([More...](#))

Int J Mol Sci | Aug 16, 2022 | Read Article

**Full-Length Dystrophin Restoration via Targeted Exon Addition in DMD-Patient Specific iPSCs and Cardiomyocytes**

Rou Xiao, Miaojin Zhou, ..., Desheng Liang

"... sequence of exon 50 plus a splice donor was amplified from the hiPSCs gDNA.. Then the three fragments were ligated to a pGEM-T Easy vector with **homologous recombination kit**

**ClonExpress II one-step cloning kit** (Vazyme, Nanjing, China).. A NheI flanked PGK-Neo cassette was amplified from previously constructed plasmid [ ] and ..." ([More...](#))