

Immunological Pathogenesis of Bovine *E. coli* Infection in a Model of *C. elegans*

Hao Peng<sup>1†</sup>, Huili Bai<sup>1†</sup>, Yan Pan<sup>2†</sup>, Jun Li<sup>1\*</sup>, Zhe Pei<sup>3</sup>, Yuying Liao<sup>1</sup>, Cuilan Wu<sup>1</sup>,  
Changting Li<sup>1</sup>, Li Tao<sup>1</sup>, Shuhong Zhong<sup>1</sup>, Chunxia Ma<sup>1</sup>, Zhongwei Chen<sup>1</sup>, Xiaoning Li<sup>1</sup>,  
Yu Gong<sup>4</sup>, Leping Wang<sup>1</sup>, Fengsheng Li<sup>1</sup>

\*Correspondence:

Prof. Jun Li, Guangxi Key Laboratory of Veterinary Biotechnology, Guangxi

Veterinary Research Institute, Nanning 530001, China

Tel: 86-0771-3186349

E-mail: jlee9981@163.com

† These authors contribute equally to this paper.

<sup>1</sup>Guangxi Key Laboratory of Veterinary Biotechnology, Guangxi Veterinary Research Institute, Nanning China; <sup>2</sup>Guangxi Agricultural Vocational University, Nanning, China; <sup>3</sup>The City College of New York, New York, USA and <sup>4</sup>Animal Science and Technology Station of Guizhou, Guiyang, China.

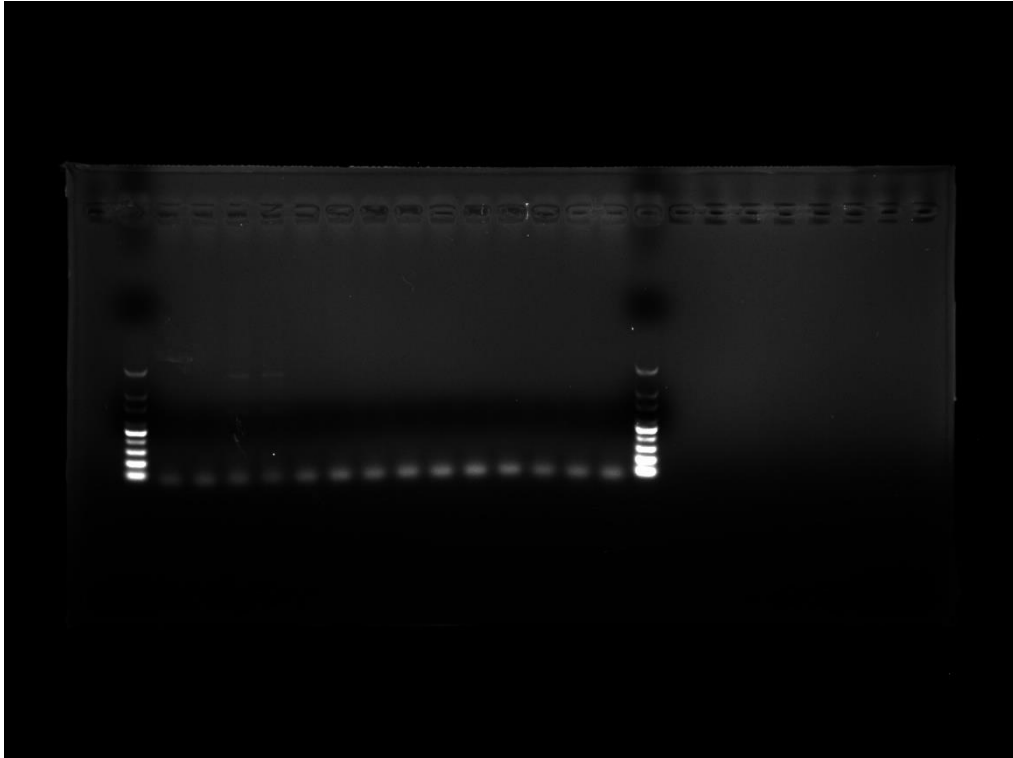


Fig. S1 Amplification results of virulence factor 987P

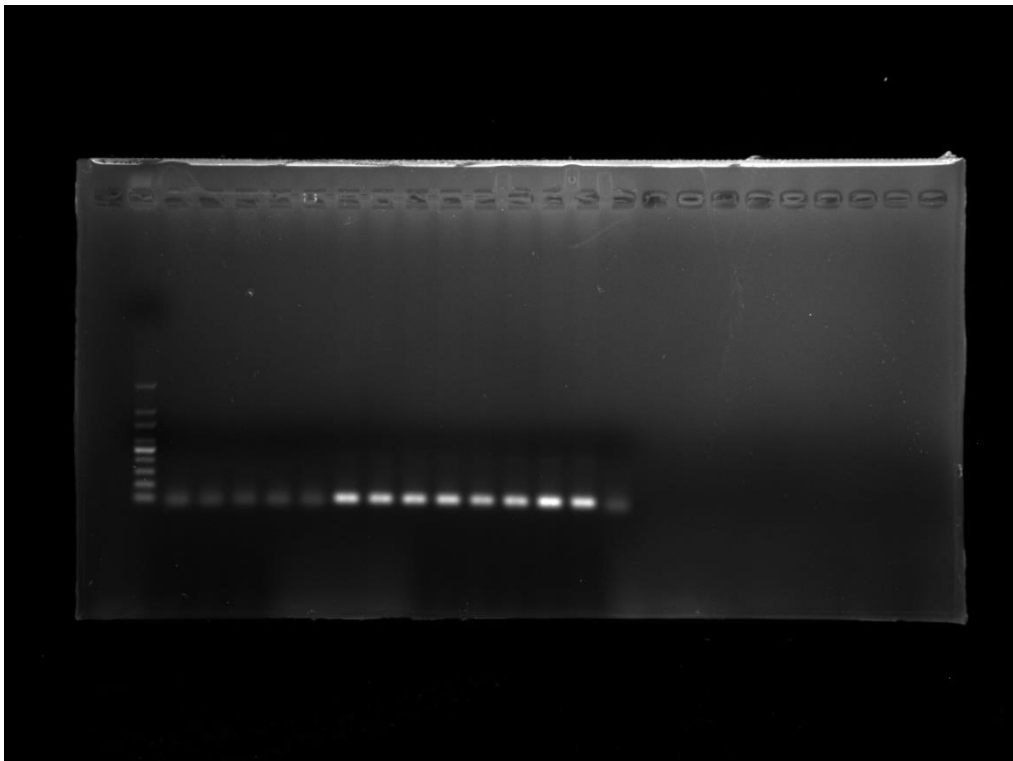


Fig. S2 Amplification results of virulence factor astA

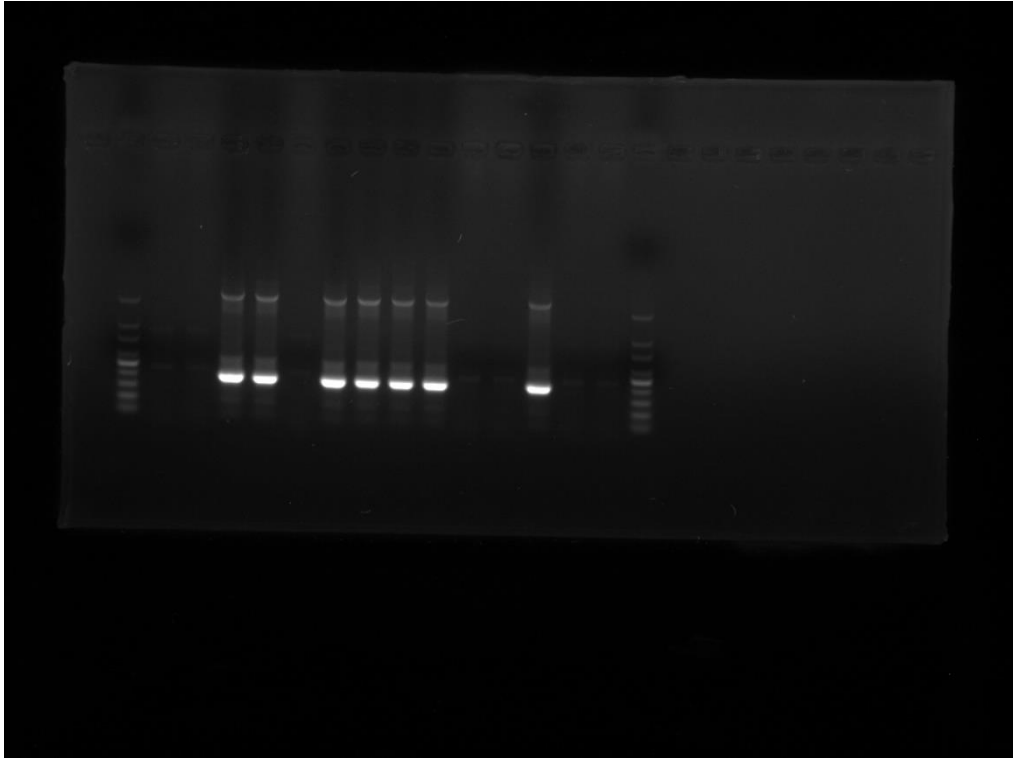


Fig. S3 Amplification results of virulence factor CS31

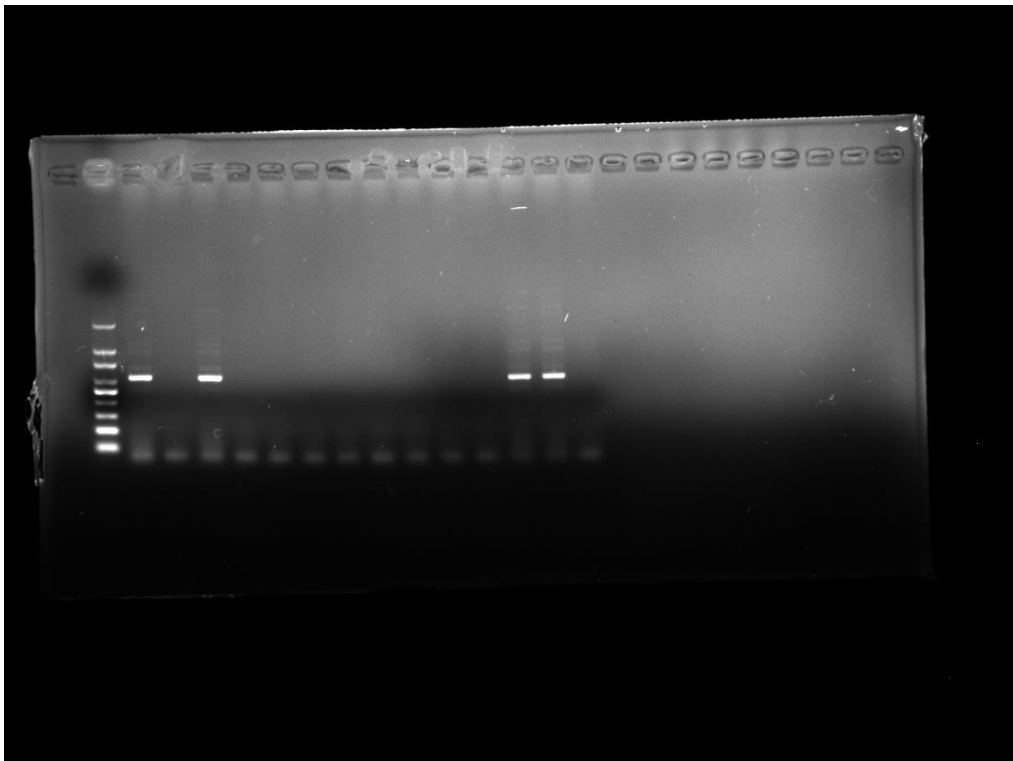


Fig. S4 Amplification results of virulence factor eaeA

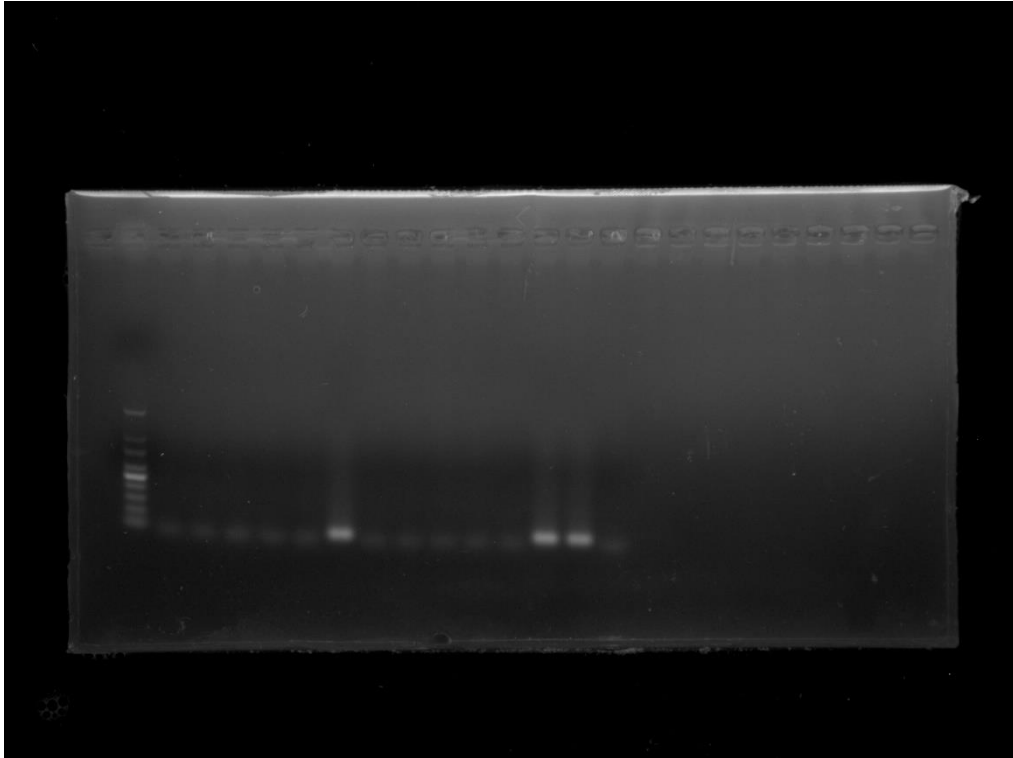


Fig. S5 Amplification results of virulence factor EAST1

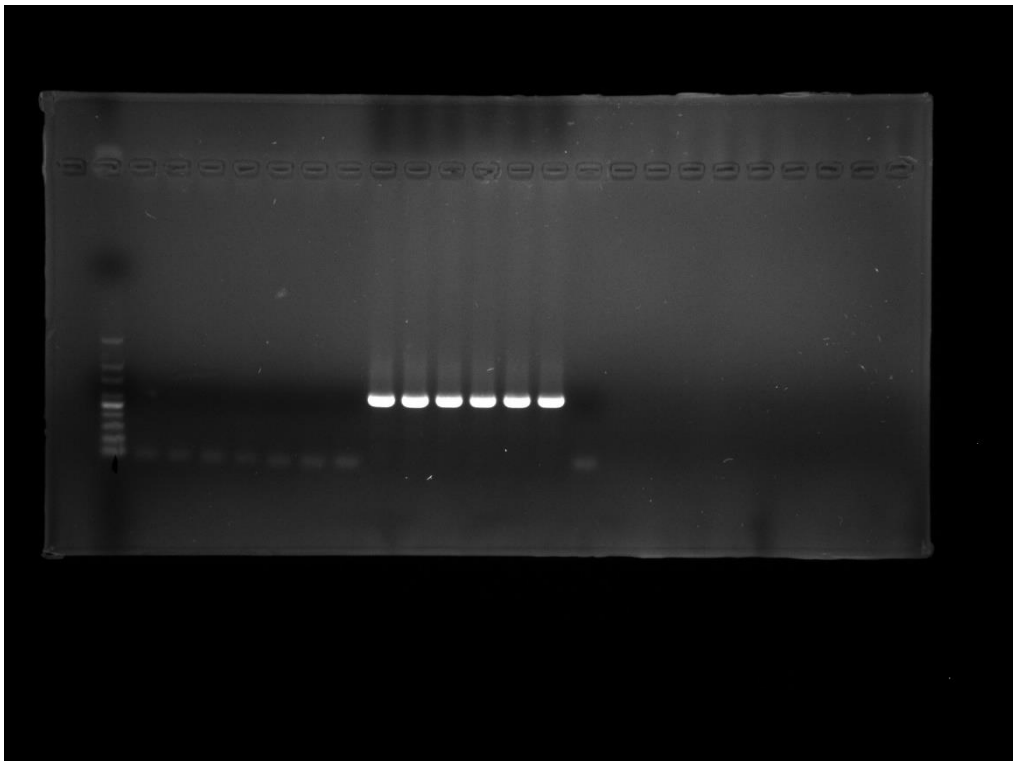


Fig. S6 Amplification results of virulence factor ent

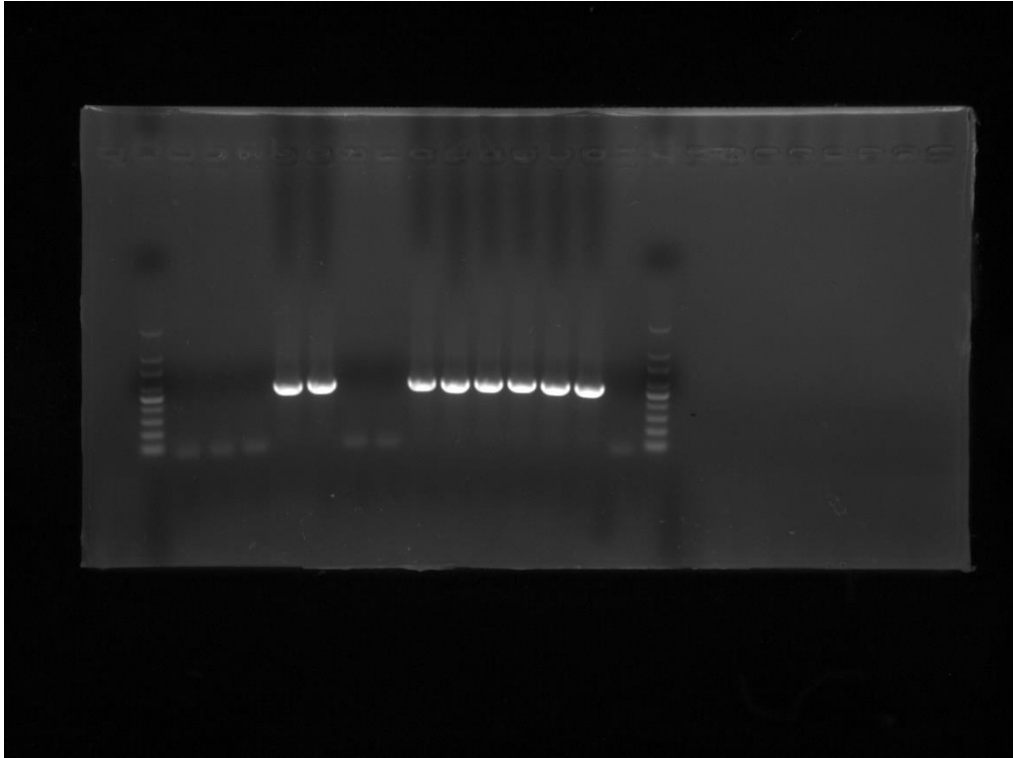


Fig. S7 Amplification results of virulence factor *escV*

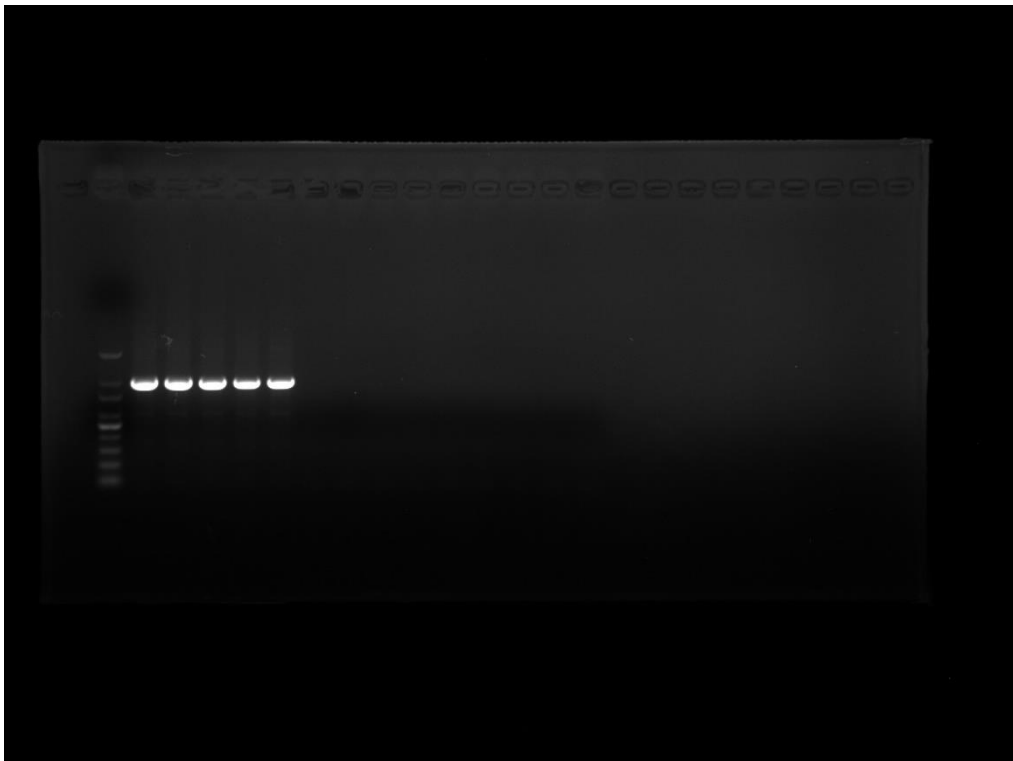


Fig. S8 Amplification results of virulence factor *FyuA*

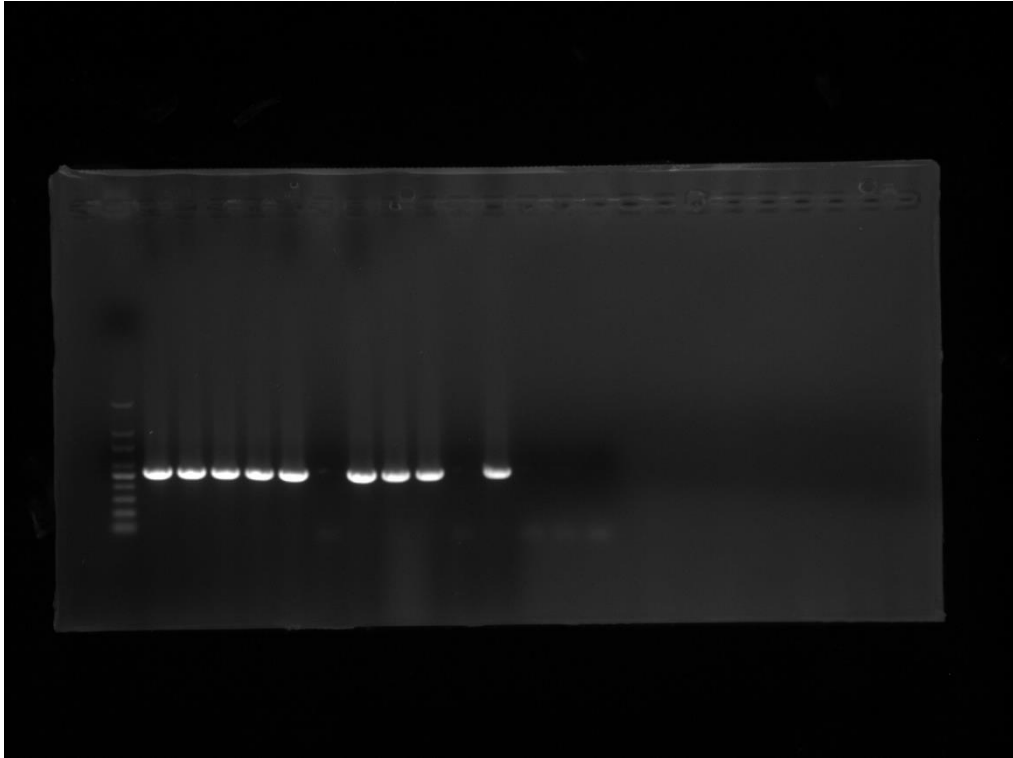


Fig. S9 Amplification results of virulence factor hlyA

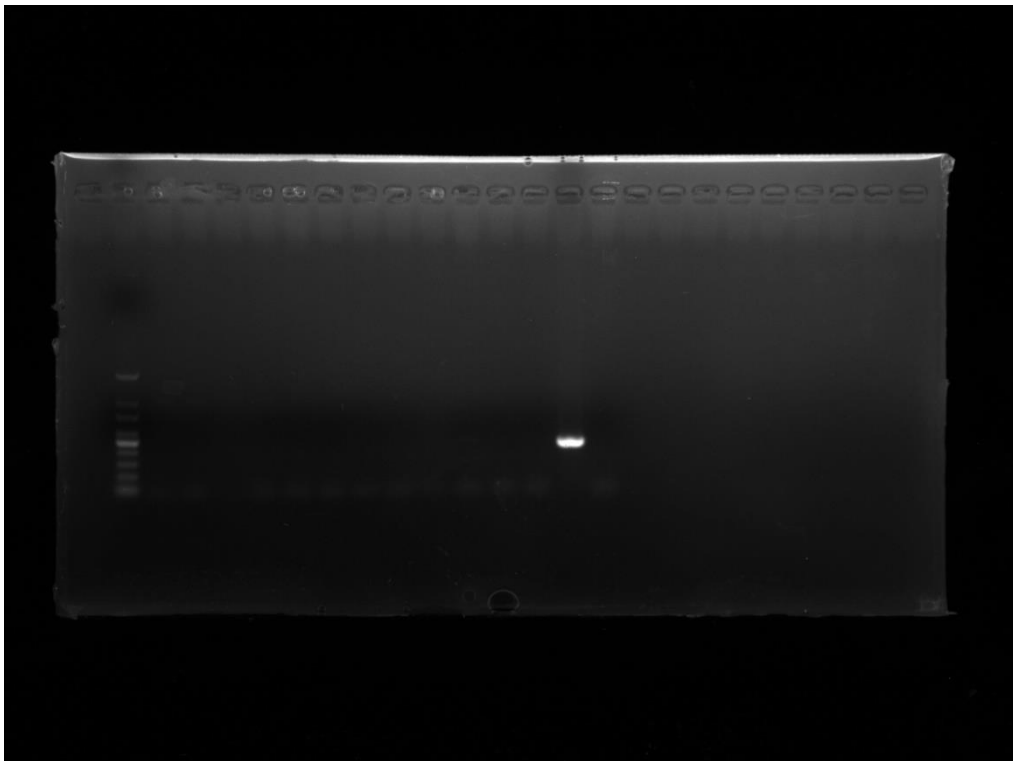


Fig. S10 Amplification results of virulence factor ipaH

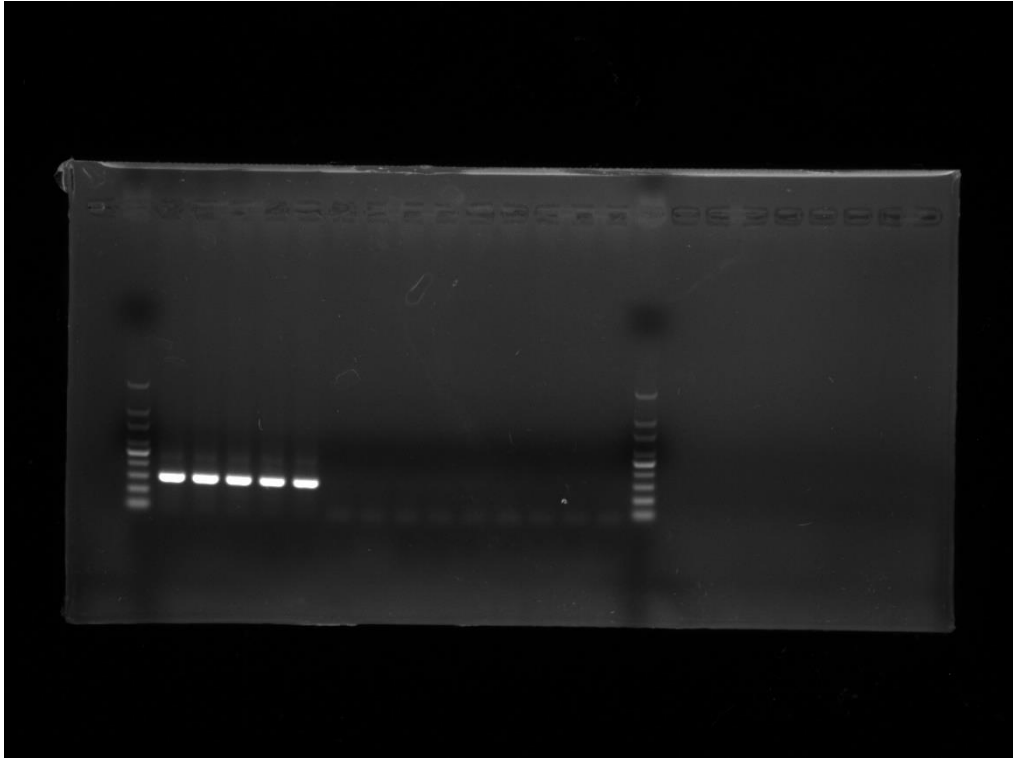


Fig. S11 Amplification results of virulence factor *irp2*

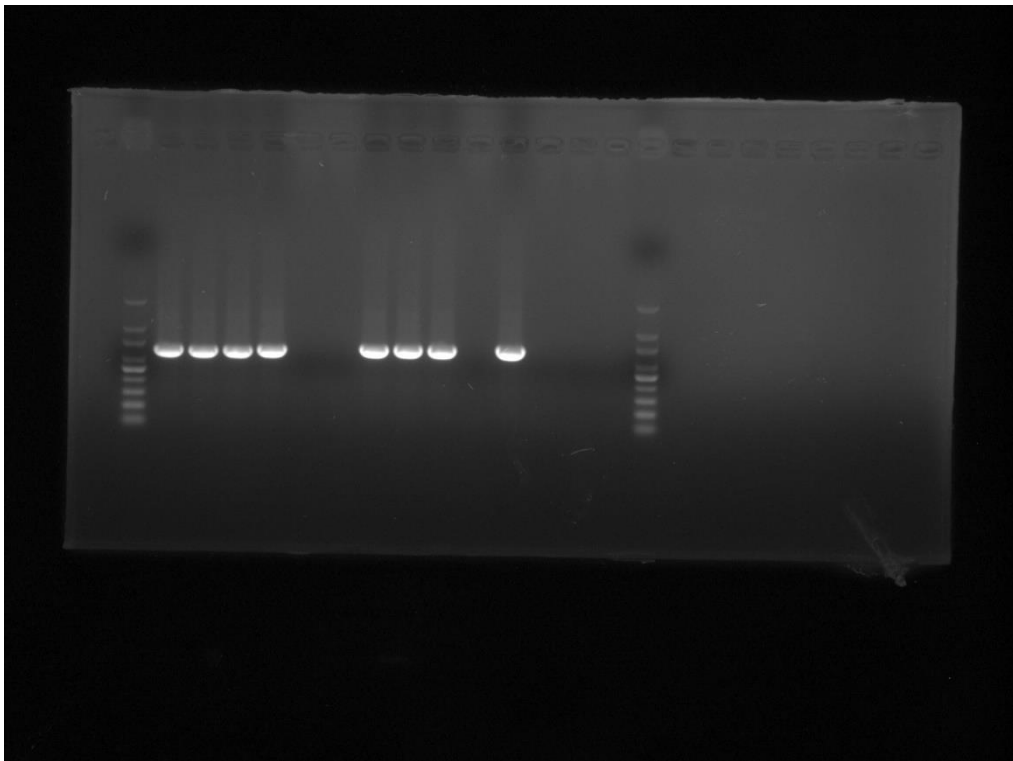


Fig. S12 Amplification results of virulence factor *iucD*

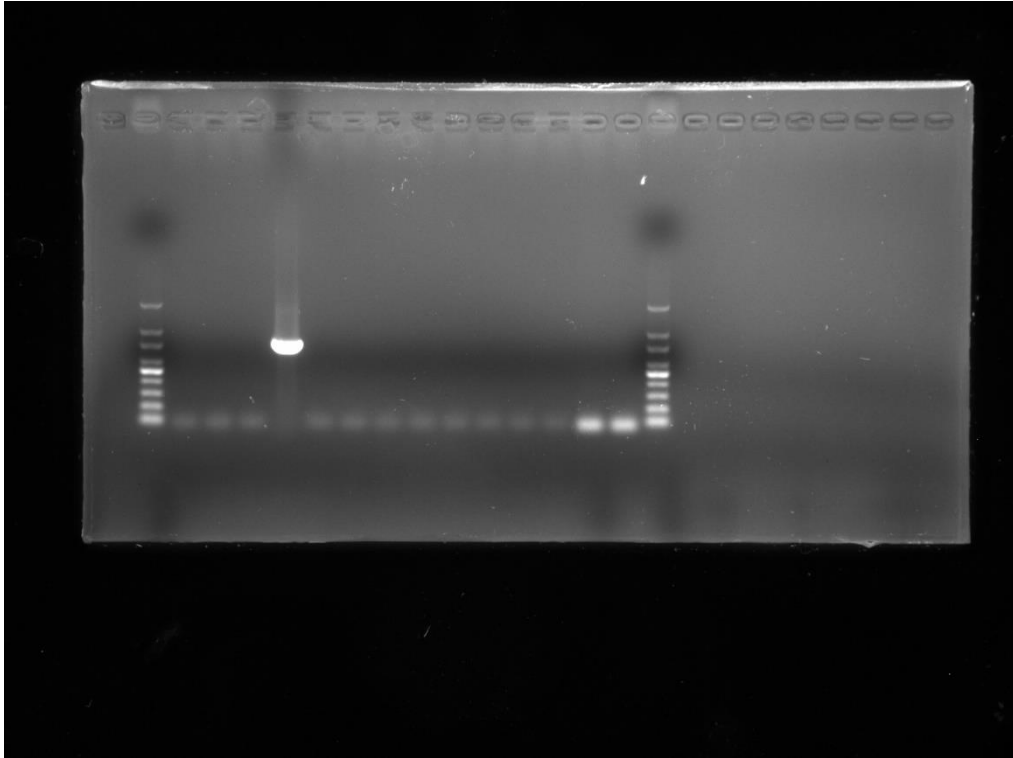


Fig. S13 Amplification results of virulence factor K88

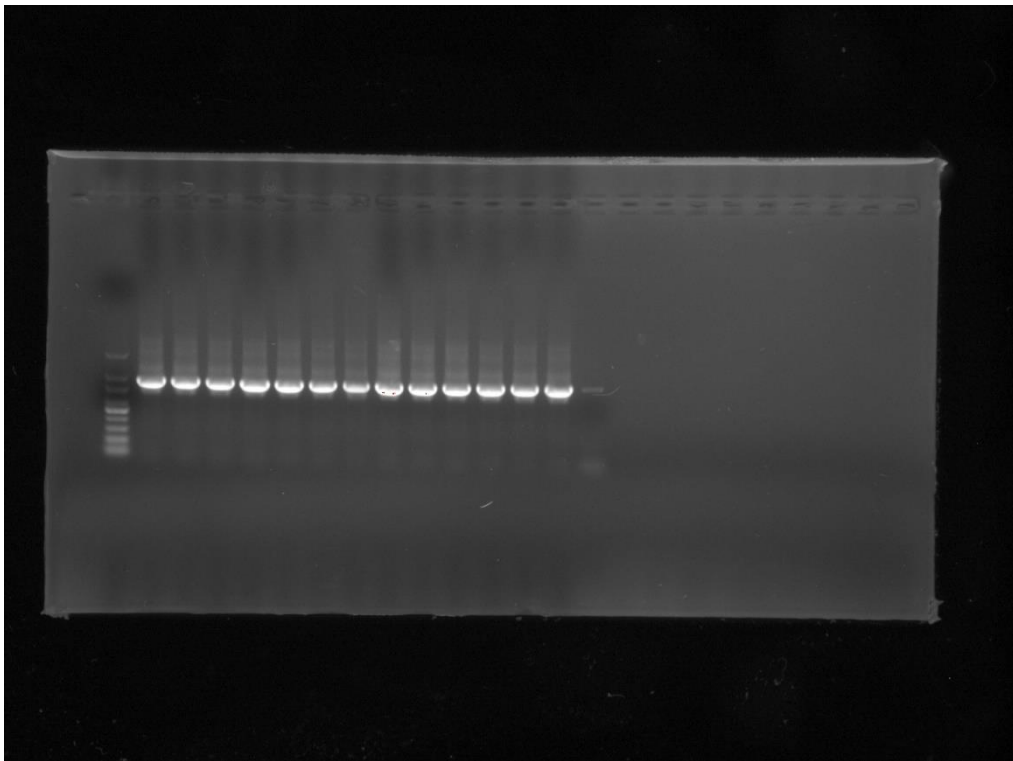


Fig. S14 Amplification results of virulence factor ompA



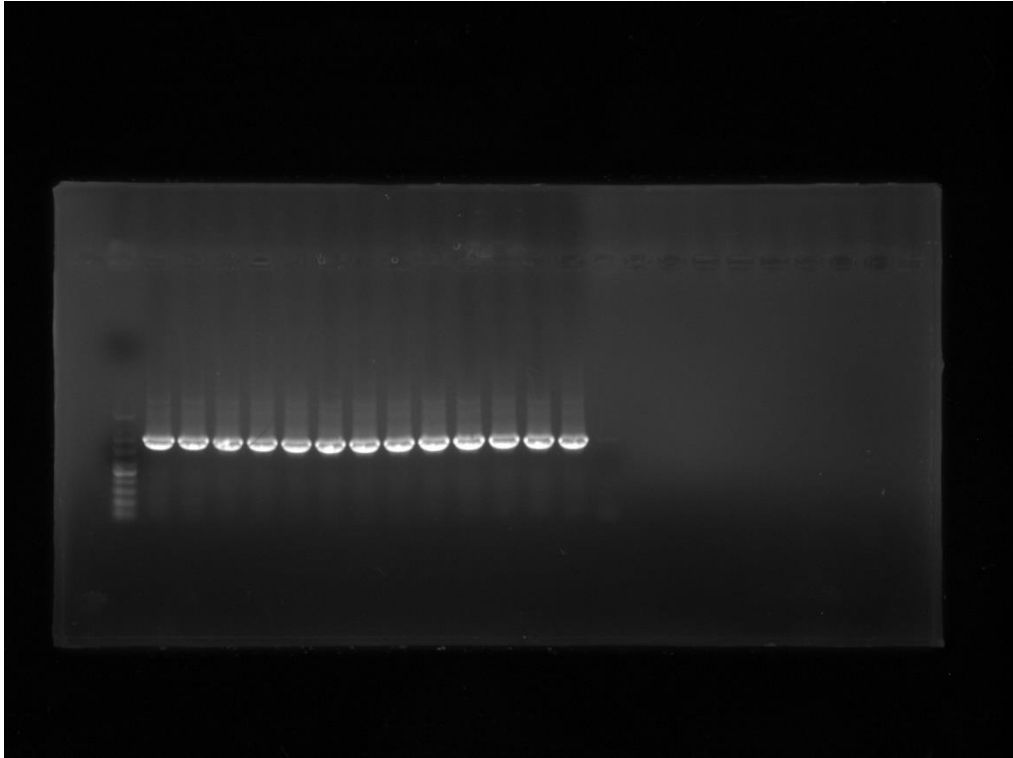


Fig. S15 Amplification results of virulence factor *phoA*

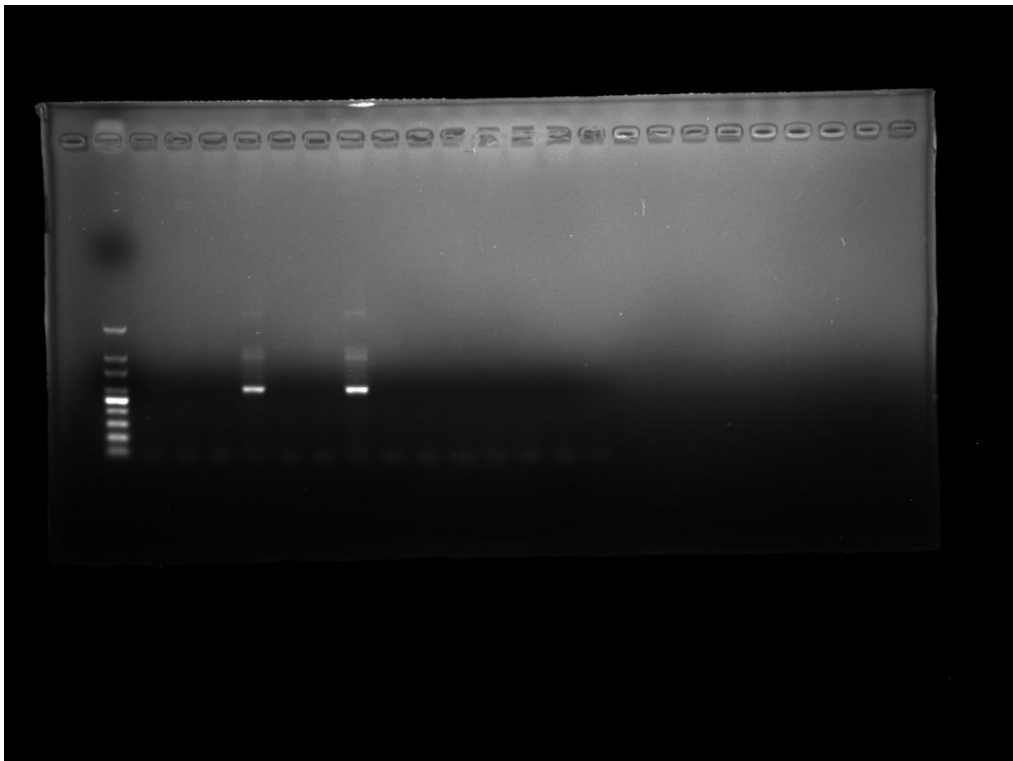


Fig. S16 Amplification results of virulence factor *SepA*

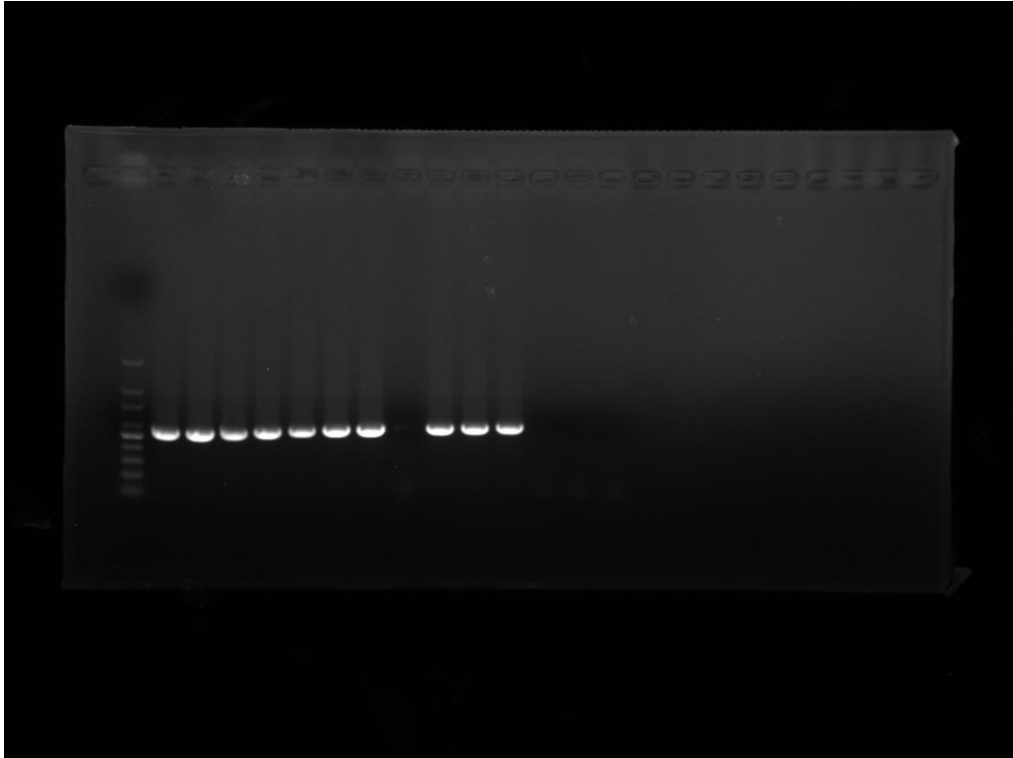


Fig. S17 Amplification results of virulence factor Stx1

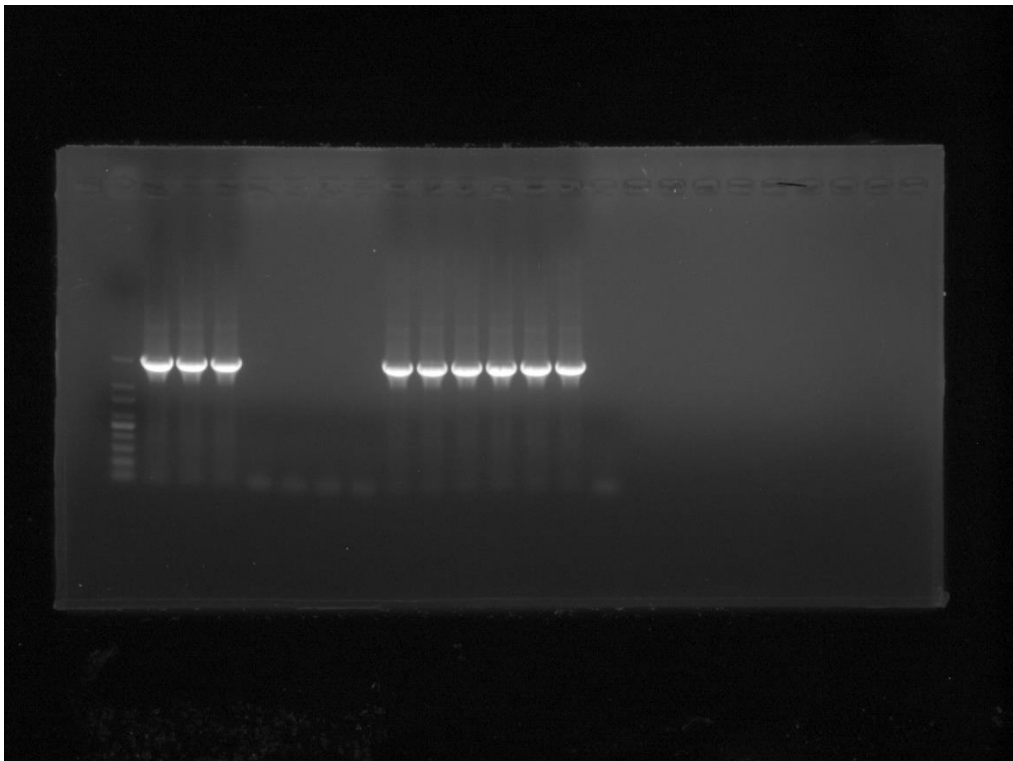


Fig. S18 Amplification results of virulence factor uidA

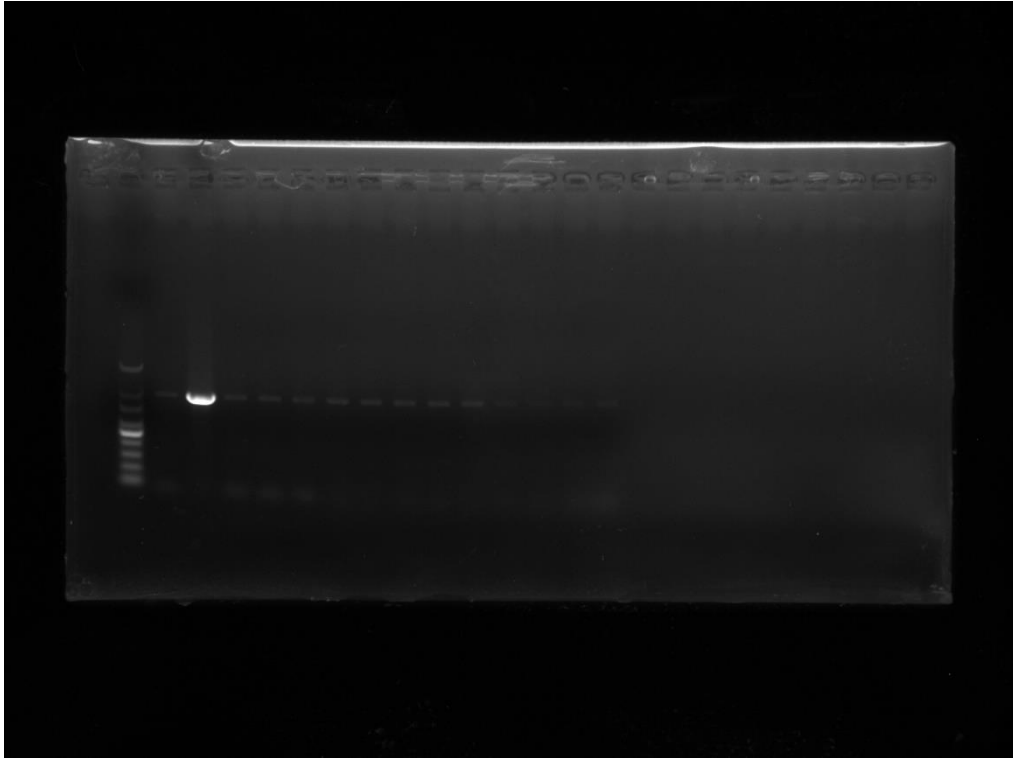


Fig. S19 Amplification results of virulence factor vat