

Supplementary information

Fusion partner facilitates expression of cell-penetrating peptide L2 in *Pichia pastoris*

Xuan Li ^{1,2,3,†}, Na Yang ^{1,2,3,†}, Yuxin Fang ⁴, Ruoyu Mao ^{1,2,3}, Ya Hao ^{1,2,3}, Da Teng ^{1,2,3,*}, Na Dong ^{4,*}, Anshan Shan ⁴ and Jianhua Wang ^{1,2,3,*}

¹ Gene Engineering Laboratory, Feed Research Institute, Chinese Academy of Agricultural Sciences, 12 Zhongguancun Nandajie St., Haidian District, Beijing 100081, China

² Innovative Team of Antimicrobial Peptides and Alternatives to Antibiotics, Feed Research Institute, Chinese Academy of Agricultural Sciences, Beijing 100081, China

³ Key Laboratory of Feed Biotechnology, Ministry of Agriculture and Rural Affairs, Beijing 100081, China

⁴ Laboratory of Molecular Nutrition and Immunity, College of Animal Science and Technology, Northeast Agricultural University, Harbin, PR China

* Correspondence: tengda@caas.cn (D.T.); ndong@neau.edu.cn (N.D); wangjianhua@caas.cn (J.W.); Tel.: +86-10-82106081 or +86-10-82106079 (J.W.); Fax: +86-10-82106079 (J.W.)

† These authors contributed equally to this work.

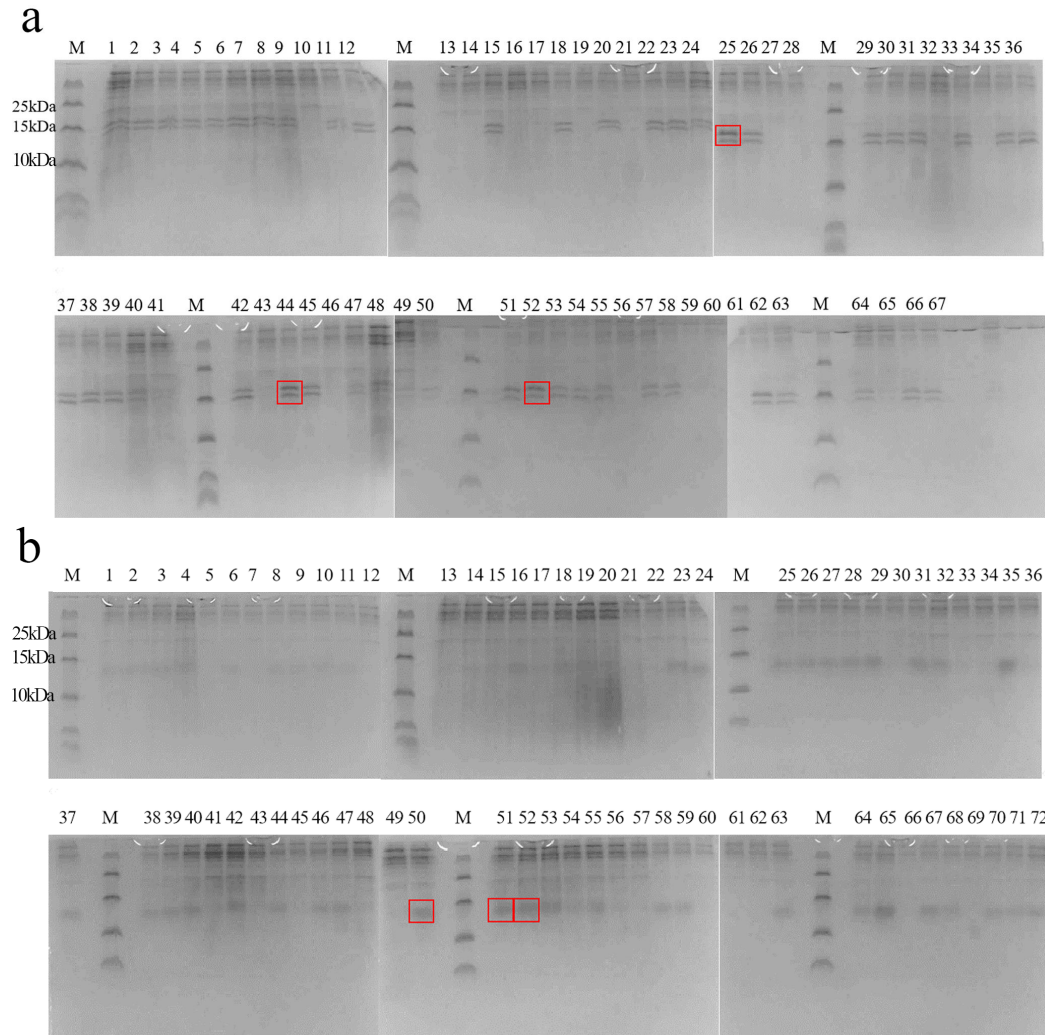


Figure S1. Tricine-SDS-PAGE to detect protein secretion of transformants screened by well plate; (a) Lane M: protein marker (6 μ L), Lanes 1-67 represent each transformant of SUMO-L2 respectively (10 μ L). (b) Lane M: protein molecular weight marker (6 μ L), Lanes 1-72 represent each transformant of 2FLAG-L2 respectively (10 μ L).

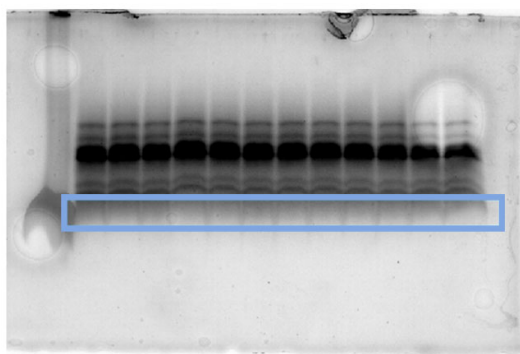


Figure S2. Tricine-SDS-PAGE results show that the blue rectangular box is the target band to be recovered.