

Supplementary materials

Molecular Modification of Kex2 P1' Site Enhances Expression and Druggability of Fungal Defensin

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Table S1. The amino acid sequences of 20 new constructs.

New constructs (XNZ)	Amino acid sequence
NZ2114	N'- GFGCNGPWNEDDLRCNHCKSIKGYKGGYCAKGGFVCKCY (40)
ANZ	A-----CY
CNZ	C-----CY
DNZ	D-----CY
ENZ	E-----CY
FNZ	F-----CY
GNZ	G-----CY
HNZ	H-----CY
INZ	I-----CY
KNZ	K-----CY
LNZ	L-----CY
MNZ	M-----CY
NNZ	N-----CY
PNZ	P-----CY
QNZ	Q-----CY
RNZ	R-----CY
SNZ	S-----CY
TNZ	T-----CY
VNZ	V-----CY
WNZ	W-----CY
YNZ	Y-----CY

NT: The dotted line indicates the same amino acid sequence as NZ2114 except 1st residue.

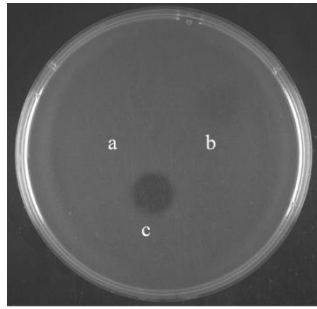


Figure S1. The antibacterial activity of FNZ purified collected peak was identified by inhibition zone assay. a: penetration peak; b: 27.5% B eluting peak; c: 60% B eluting peak, 20 μ L of every collected peak. The tested strain was *S. aureus* ATCC 43300.