

Supplementary Table S1. Bacterial strains and plasmids used in this study

Name	Description	Reference or source
Strains		
<i>S. suis</i> SC19	<i>S. suis</i> serotype 2	[1]
<i>S. suis</i> SS2041	Multiple-drug resistant strain	[2]
<i>E. coli</i> ATCC25922	<i>E. coli</i> standard strain	Laboratory stock
<i>S. aureus</i> ATCC29213	<i>S. aureus</i> standard strain	Laboratory stock
<i>S. aureus</i> 1213M4A	Multiple-drug resistant strain	Laboratory stock
<i>E. rhusiopathiae</i> 13013	Multiple-drug resistant strain	[3]
<i>S. mutans</i> ATCC25175	<i>S. mutans</i> standard strain	Laboratory stock
<i>B. subtilis</i> WB800N	Derivative of <i>B. subtilis</i> 168	[4]
Plasmids		
pET28a- <i>dacAcyto</i>	Plasmid for the expression of ssDacA, Kan ^r	This study

Supplementary Table S2. Primers used in this study

Strains	Sequence (5'-3')
ssDacA _{cyto} -F	TAAGAAGGAGATATACCATGGGCGCTATGCTTGAAAACTC
ssDacA _{cyto} -R	GTGGTGGTGGTGGTGTCTCGAGTTCATGTTTGCCACCTCC

1. Li, W.; Liu, L.; Qiu, D.; Chen, H.; Zhou, R. Identification of *Streptococcus suis* serotype 2 genes preferentially expressed in the natural host. *Int J Med Microbiol* **2010**, *300*, 482-488, doi:10.1016/j.ijmm.2010.04.018.
2. Zou, G.; Zhou, J.; Xiao, R.; Zhang, L.; Cheng, Y.; Jin, H.; Li, L.; Zhang, L.; Wu, B.; Qian, P.; et al. Effects of Environmental and Management-Associated Factors on Prevalence and Diversity of *Streptococcus suis* in Clinically Healthy Pig Herds in China and the United Kingdom. *Appl Environ Microbiol* **2018**, *84*, doi:10.1128/aem.02590-17.
3. Ding, Y.; Zhu, D.; Zhang, J.; Yang, L.; Wang, X.; Chen, H.; Tan, C. Virulence determinants, antimicrobial susceptibility, and molecular profiles of *Erysipelothrix rhusiopathiae* strains isolated from China. *Emerg Microbes Infect* **2015**, *4*, e69, doi:10.1038/emi.2015.69.
4. Jeong, H.; Jeong, D.E.; Park, S.H.; Kim, S.J.; Choi, S.K. Complete Genome Sequence of *Bacillus subtilis* Strain WB800N, an Extracellular Protease-Deficient Derivative of Strain 168. *Microbiol Resour Announc* **2018**, *7*, doi:10.1128/mra.01380-18.