

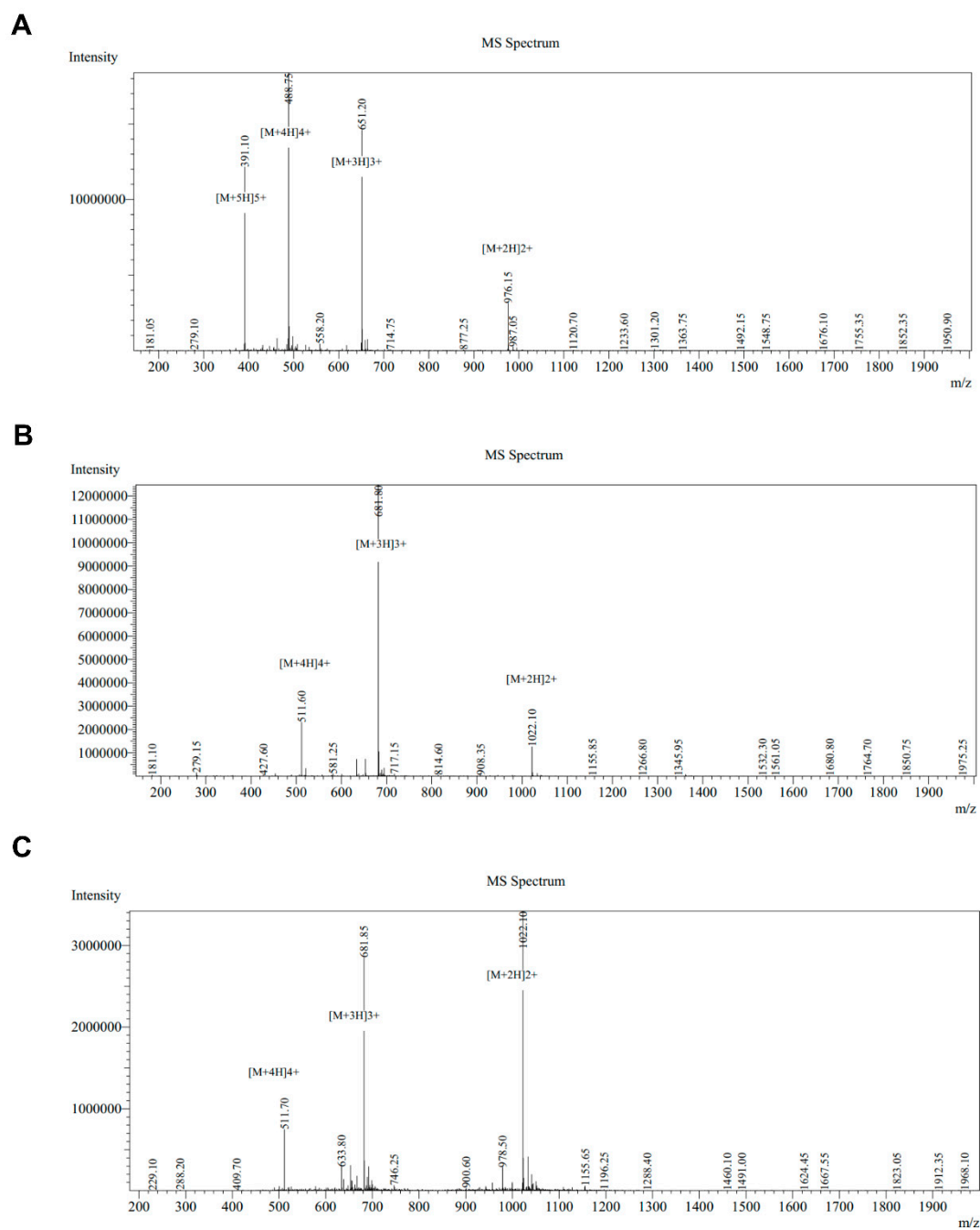


Figure S1 Mass spectrum of peptides. (A) T7. (B) T7-3. (C) DT7-3.

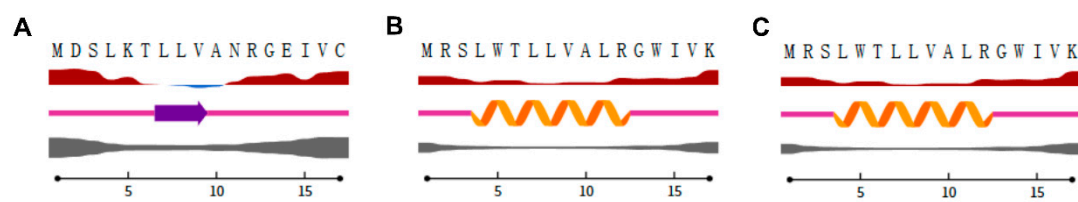


Figure S2 The predicted secondary structure of peptides.

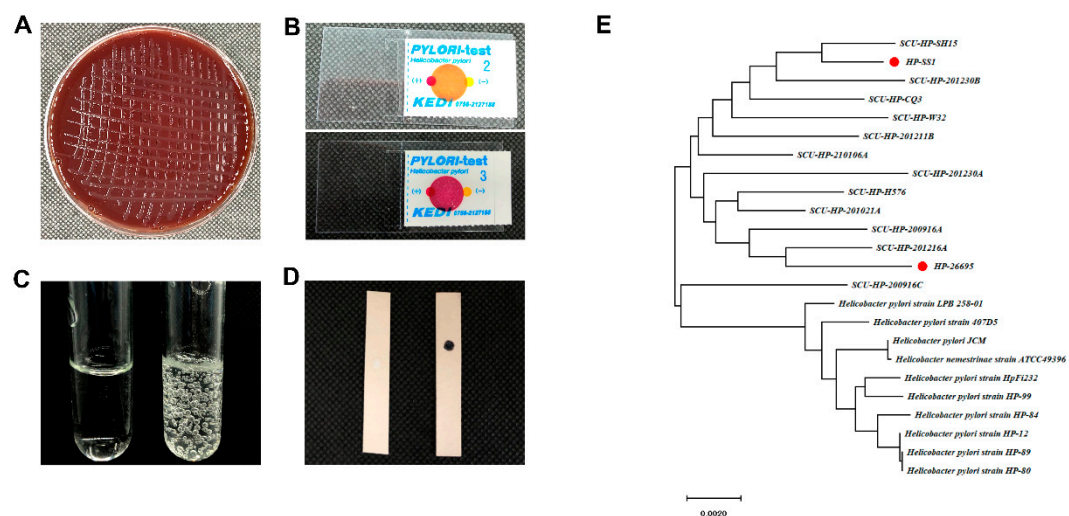


Figure S3 Isolation and identification of clinical *H. pylori* strains. (A) Typical colony morphology of *H. pylori* cultured for 3 days. (B) Rapid urease test. (C) Catalase activity test. (D) Oxidase activity test. (E) Phylogenetic tree constructed based on 16S rRNA gene sequences.

Table S1 *H. pylori* primers sequences.

Gene Name	Sequence (5' - 3')
<i>16S rRNA</i> -F	TAAGGAGGAGGAAGGTGGGG
<i>16S rRNA</i> -R	GCGATTCCAGCTTCATGCAG
<i>VacA</i> -F	GCTGGATTGGTGGTTTATGG
<i>VacA</i> -R	TGGTGGTTTCTTTGGTGGTT
<i>UreA</i> -F	TTGTCTGCTTGCCTATCAACCAAC
<i>UreA</i> -R	GAGCGGGACAGCGGTAAGG
<i>KatA</i> -F	TTCAACTCCACAATGCCCACTTC
<i>KatA</i> -R	AGTGATGCCAGAAGAAGATGCTAAG
<i>BabA</i> -F	AAGCCTATCAAATCCTCCAAACG
<i>BabA</i> -R	TGGCGAGCAGTTATTATTCCT

Table S2 Peptide MICs against MRSA SCQL1.

Peptides/Antibiotics	MIC (µg/mL)
T7	256
T7-3	128
DT7-3	8
Erythromycin	256
Chloramphenicol	64
Tetracycline	128
Gentamicin	32