**Supplementary Information**

C:\Users\aaa\Desktop\图片11.tif

Schematics S1. The cooling water circulating device

C:\Users\aaa\Desktop\姝瑞文章1\RH\Fig S4红外-1.tif

Figure S1. (a-f) Digital pictures of the *S. aureus* colony at each time under infrared light irradiation (800 nm-1100 nm).