1	Supporting Information
2 3	
4	Silver Nanoflower Coupled With Low Dose Antibiotics Enables Highly Effective Drug-
5	resistant Bacteria Eradication
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- 24 Fig S1 The HPLC data of two antibiotics interacted with AgNFs.
- 25 (A) The peak area of NOR before and after adding AgNFs. (B) The peak area of STR before
- 26 and after adding AgNFs.

------ STR-AgNF





33 Fig S3 The process of resistant bacteria induction and MIC of wild type *E.coli*

34 (A) The schematic of resistance induction through concentration gradient via agar plates

- 35 (planktonic steps are not shown). (B) The MIC of NOR and STR against wild type E.coli. A
- 36 refers to STR and B refers to NOR. (C) The MIC of antibiotics against resistant E.coli. (D)
- 37 Pictures show the grown bacteria on the agar plate during the induction.
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40~ Fig S4 OPLS-DA of three pairs of sample groups

- 41 (A) OPLS-DA of 1vs4 (B) OPLS-DA of 2vs4 (C) OPLS-DA of 3vs4. All of them show total
- 42 differentiation between experimental and control groups.

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71 Fig S5 The MIC of Ag+ towards Strain I, II, III and the growth curve of strain I treated by

72 different mbined treatment of Ag+ and NOR.

- 73 (A) The MIC of Ag+ towards Strain I, II, III; (B) Comparing with the inhibitory concentration of
- 74 Ag ions applied individually (8µg mL⁻¹), the concentration of Ag+ required in combined
- 75 treatment is 6 μ g mL⁻¹.