Electronic Supplementary Information (ESI)

A rapid tag-free identification of Escherichia coli antibiotic-resistant isolates using Raman scattering

Figure S1 MLST (A) forward and (B) reverse sequencing of adk gene for ST131 E. coli strain 5.
Figure S1 MLST (C) forward and (D) reverse sequencing of fumC gene for ST131 E. coli strain 5.
Figure S1 MLST (E) forward and (F) reverse sequencing of gyrB gene for ST131 E. coli strain 5.
Figure S1 MLST (G) forward and (H) reverse sequencing of icd gene for ST131 E. coli strain 5.
Figure S1 MLST (I) forward and (J) reverse sequencing of mdh gene for ST131 E. coli strain 5.
Figure S1 MLST (K) forward and (L) reverse sequencing of purA gene for ST131 E. coli strain 5.
Figure S1 MLST (M) forward and (N) reverse sequencing of recA gene for ST131 E. coli strain 5.
Figure S2 FE-SEM images of E. coli isolates.

Fig. S1 MLST (A) forward and (B) reverse sequencing of adk gene for ST131 E. coli strain 5.
Fig. S1 MLST (C) forward and (D) reverse sequencing of fumC gene for ST131 E. coli strain 5.

Fig. S1 MLST (E) forward and (F) reverse sequencing of gyrB gene for ST131 E. coli strain 5.
Fig. S1 MLST (G) forward and (H) reverse sequencing of *icd* gene for ST131 *E. coli* strain 5.

Fig. S1 MLST (I) forward and (J) reverse sequencing of *mdh* gene for ST131 *E. coli* strain 5.
Fig. S1 MLST (K) forward and (L) reverse sequencing of purA gene for ST131 *E. coli* strain 5.

Fig. S1 MLST (M) forward and (N) reverse sequencing of *recA* gene for ST131 *E. coli* strain 5.

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**S4**
**Fig. S2** FE-SEM images of (A) *E. coli* ATCC25922, (B) *E. coli* ST131, (C) *E. coli* ST393, (D) *E. coli* ST1193, (E) *E. coli* ST69, (F) *E. coli* ST405, and (G) *E. coli* ST648 isolates.