Title: Antibacterial efficacy of silver nanoparticles (AgNPs) against metallo-β-lactamase and extended spectrum β-lactamase producing clinically procured isolates of *Pseudomonas aeruginosa*

Running Title: Antibacterial efficacy of AgNPs metallo-β-lactamase extended spectrum β-lactamase *Pseudomonas aeruginosa*

Authors Order

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### Supplementary Table 1 (ST_1)  PCR conditions of individual resistance genes

| Each step of PCR | PCR condition (°C, minutes, seconds) |
|------------------|--------------------------------------|
|                  | **bla**<sub>IMP-1</sub>     | **bla**<sub>VIM</sub> | **bla**<sub>TEM</sub> | **bla**<sub>SHV</sub> | **bla**<sub>OXA</sub> | **bla**<sub>AmpC</sub> |
| Predenaturing    | 95°C                               | 95°C                  | 95°C                   | 95°C                   | 95°C                   | 95°C                   |
|                  | 10 min                             | 10 min                | 10 min                 | 10 min                 | 10 min                 | 10 min                 |
|                  | 35 cycles of                       |                       |                        |                        |                        |                        |
| Denaturing       | 95°C                               | 95°C                  | 95°C                   | 95°C                   | 95°C                   | 95°C                   |
|                  | 20 sec                             | 20 sec                | 20 sec                 | 20 sec                 | 20 sec                 | 20 sec                 |
| Annealing        | 53°C                               | 57°C                  | 55°C                   | 55°C                   | 55°C                   | 65°C                   |
|                  | 30 sec                             | 30 sec                | 30 sec                 | 30 sec                 | 30 sec                 | 30 sec                 |
| Extension        | 72°C                               | 72°C                  | 72°C                   | 72°C                   | 72°C                   | 72°C                   |
|                  | 30 sec                             | 30 sec                | 30 sec                 | 30 sec                 | 30 sec                 | 30 sec                 |
| **Plate read**   |                                    |                       |                        |                        |                        |                        |
| Final Extension  | 72°C                               | 72°C                  | 72°C                   | 72°C                   | 72°C                   | 72°C                   |
|                  | 5 min                              | 5 min                 | 5 min                  | 5 min                  | 5 min                  | 5 min                  |

*Melting curve 65°C to 95°C, increment 5°C for 0:05 + Plate read*