

Supplemental Table S1: Sequences of γ PNA oligos used for bacterial, fungal, and resistance detection

| Group | Target Organism or Gene | Sequence (C to N terminus) |
|------------------------|-----------------------------------|-----------------------------------|
| Gram Positive | <i>Staphylococcus aureus</i> | TCGAAGAGCAGGCAA |
| | <i>Staphylococcus epidermidis</i> | TCGAGGTTTACCAATG |
| | <i>Staphylococcus lugdunensis</i> | |
| | <i>Enterococcus faecalis</i> | AAGTCAATGATTGCAGG |
| | <i>Enterococcus faecium</i> | TTGTCAATGAGAGTAGG |
| | <i>Streptococcus agalactiae</i> | TACACAATTAATGAGAA |
| | <i>Streptococcus pyogenes</i> | GCAATCAGAGAGAATA |
| | <i>Streptococcus pneumoniae</i> | TCGGATGATACCAATT |
| Gram Negative | <i>Escherichia coli</i> | CAGTTACTCGTTTCCAT |
| | <i>Pseudomonas aeruginosa</i> | CGCGGTGATTCTAGAGT |
| | <i>Serratia marcescens</i> | AATTCAAGTGGTGGAA |
| | <i>Acinetobacter baumannii</i> | GGTGATAGAGATCCAT |
| | <i>Enterobacter aerogenes</i> | |
| | <i>Enterobacter cloacae</i> | CTCGTTCGAGAGACAC |
| | <i>Klebsiella oxytoca</i> | |
| Fungal | <i>Candida albicans</i> | GTATTTACCGATGGG |
| | <i>Candida glabrata</i> | ACGTAAGGTCATGTGC |
| | <i>Candida krusei</i> | GATCTAAAAGGTGCC |
| | <i>Candida tropicalis</i> | TCAGGCTTCTGTAAC |
| | <i>Candida parapsilosis</i> | TGCGTAGTTTTTTCTA |
| Resistance Gene | <i>bla_{NDM-1}</i> | ACCAAGCTGTTGCGTAAC |
| | <i>bla_{KPC}</i> | AGTACGGACAACAGTCT |