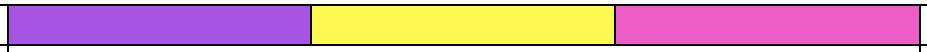
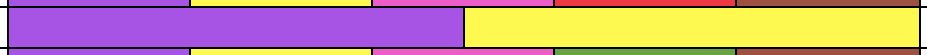
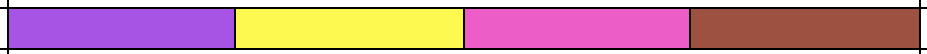
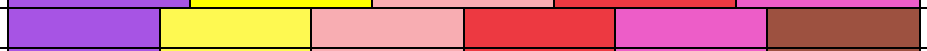
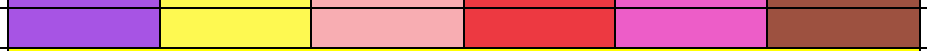
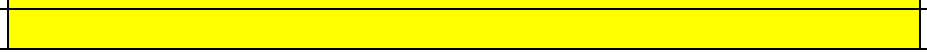
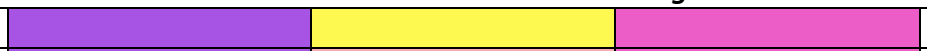
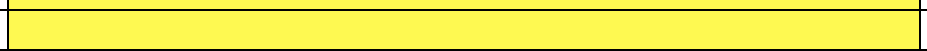
TableS1: Degree of biofilm formation and resistance gene among the patient's specimen with the resistance pattern of bacterial isolates to 11 antibiotic classes.

Isolates	Source	Antibiotic-resistant phenotypes	Antibiotic-resistant genotypes
Staphylococcus aureus			
SA1	Tracheal aspirate		*ermA, ermC, tetM, aacA-aphD*
SA2	Pus/wound		*ermA, ermC, tetM, aacA-aphD*
SA3	Blood		*ermA, ermC, tetM, aacA-aphD*
SA4	Blood		*ermA, ermC, tetM, aacA-aphD*
SA5	Blood		*ermA, ermC, tetM, mecA*
SA6	Blood		*ermA, ermC, mecA*
SA7	Pus/wound		*ermA, aacA-aphD, mecA*
SA8	Blood		*ermA, tetM*
SA9^{++}	Wound		*ermC, tetM, mecA*
SA10	Pus/wound		*ermB, ermC, tetM, aacA-aphD, mecA*
SA11	Blood		*ermA, ermC, tetM, aacA-aphD*
SA12	Blood		*ermA, ermC, tetM, mecA*
SA13	Pus/wound		*ermA, ermC, tetM, aacA-aphD, mecA*
SA14	Blood		*ermC, tetM, mecA*
SA15^{+}	Blood		*ermC*
SA16	Blood		*ermC, mecA*
SA17	Pus/wound		*mecA*
SA18^{+}	Tracheal aspirate		*ermC, aacA-aphD, mecA*
SA19^{+}	Pus/wound		*ermC, tetM*
SA20^{+}	Pus/wound		*ermA, ermC, tetM, aacA-aphD, mecA*
SA21^{+++}	Blood		*ermC, tetM, aacA-aphD, mecA*
SA22	Blood		*ermC, aacA-aphD, mecA*

SA23	Pus/wound		*ermC, tetM, aacA-aphD, mecA*
SA24^{+}	Blood		*ermC, tetM, aacA-aphD, mecA*
SA25	Blood		*ermC, tetM, aacA-aphD, mecA*
SA26	Blood		*ermC, aacA-aphD, mecA*
SA27	Tissue		*ermC, tetM, aacA-aphD, mecA*
SA28	Blood		*ermC, tetM, aacA-aphD, mecA*
SA29^{+}	Blood		*ermC, tetM*
SA30^{+}	Blood		*tetM, aacA-aphD*
Klebsiella pneumonia			
KP1	Tracheal aspirate		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$,
KP2	Tracheal aspirate		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$,
KP3	Pus/wound		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$,
KP4	Pus/wound		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$, *bla*$_{\text{VIM}}$
KP5	Tracheal aspirate		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$
KP6	Tracheal aspirate		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$, *bla*$_{\text{VIM}}$
KP7^{+}	Urine		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$
KP8	Urine		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$
KP9	Tissue/biopsy		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$
KP10	Tracheal aspirate		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$,
KP11	Urine		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$
KP12^{++}	Tracheal aspirate		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$
KP13	Tracheal aspirate		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$, *bla*$_{\text{OXA-58}}$
KP14	Tracheal aspirate		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$
KP15	Tracheal aspirate		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$, *bla*$_{\text{OXA-58}}$
KP16	Blood		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$
KP17	Pus/wound		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$
KP18^{++}	Blood		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$,
KP19	Tissue/biopsy		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$, *bla*$_{\text{GES}}$
KP20	Urine		*bla*$_{\text{CTX-M}}$, *bla*$_{\text{SHV}}$

KP21^{++}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{VIM}$
KP22	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$
KP23^{+}	Blood		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{VIM}$
KP24	Pus/wound		*mcr-1, bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$
KP25	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{VIM}$, *bla*$_{NDM-1}$, *bla*$_{OXA-23}$
KP26	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$,
KP27	Pus/wound		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
KP28	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{NDM-1}$, *bla*$_{OXA-23}$
KP29	Urine		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$
KP30	Urine		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
KP31^{+}	Tissue/biopsy		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
KP32^{++}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{NDM-1}$
KP33	Bronchial aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{NDM-1}$
KP34	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{NDM-1}$
KP35^{+}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{NDM-1}$
KP36	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{VIM}$
KP37	Blood		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$
KP38^{+}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SH}$
KP39^{++}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
KP40^{+++}	Sputum		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
KP41	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
KP42^{+}	Blood		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{VIM}$, *bla*$_{NDM-1}$, *bla*$_{OXA-23}$
KP43^{+++}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$
KP44	Urine		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{NDM-1}$, *bla*$_{OXA-23}$, *bla*$_{OXA-58}$
KP45	Blood		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{NDM-1}$
KP46	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
Acinetobacter baumannii			
AB1	Tracheal aspirate		*pmrA, bla*$_{CTX-M}$, *bla*$_{GES}$, *bla*$_{VIM}$, *bla*$_{NDM-1}$, *bla*$_{OXA-23}$

AB2	Tracheal aspirate		*bla*$_{SHV}$, *bla*$_{IMP}$,
AB3^{++}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{OXA-23}$
AB4^{+}	Tracheal aspirate		*bla*$_{SHV}$, *bla*$_{NDM-1}$, *bla*$_{OXA-23}$
AB5^{+}	Bronchial aspirate		*bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
AB6^{++}	Blood		*bla*$_{SHv}$, *bla*$_{KPC-2}$
AB7^{+}	Pus/wound		*pmrA, bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{NDM-1}$, *bla*$_{OXA-23}$
Pseudomonas aeruginosa			
PA1	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA2	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA3^{+}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA4	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA5^{+}	Bronchial aspirate		*bla*$_{CTX-M}$, *bla*$_{KPC-2}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA6^{+}	Blood		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA7	Pus/wound		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA8	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{KPC-2}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA9^{+}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{KPC-2}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA10	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA11^{++}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{KPC-2}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA12	Bronchial aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA13	Blood		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA14	Pus/wound		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$
PA15^{+}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA16	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA17	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{KPC-2}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA18	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$
PA19^{+++}	Bronchial aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$ *bla*$_{SPM-1}$
PA20	Blood		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA21	Pus/wound		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{KPC-2}$
PA22	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{KPC-2}$, *bla*$_{GES}$, *bla*$_{OXA-23}$

PA23	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA24	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA25	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA26	Bronchial aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA27	Blood		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{NDM-1}$
PA28	Pus/wound		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
PA29^{+}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
PA30^{+}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$, *bla*$_{OXA-23}$
PA31^{+}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
PA32^{+++}	Tracheal aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$,
PA33	Bronchial aspirate		*bla*$_{CTX-M}$, *bla*$_{SHV}$, *bla*$_{GES}$ *bla*$_{SPM-1}$
***Streptococcus* spp.**			
S1^{+}	Blood		
S2^{+}	Blood		*ermB*
S3	Blood		*ermB, tetM, pmr(A)*
S4	Blood		*tetM, mef(A), pmr(A),*
S5	Blood		*ermB, tetM, pmr(A),*
S6^{++}	Blood		*tetM, pmr(A)*
S7^{++}	Blood		*tetK, tetM, pmr(A)*
S8	Blood		*ermB, tetM, pmr(A)*
S9^{++}	Blood		*tetM*
S10^{+}	Blood		*ermB, tetM, pmr(A)*
S11	Blood		*tetM, pmr(A)*

$^{+}$: weak biofilm producer, $^{++}$: moderate biofilm producer, $^{+++}$: strong biofilm producer

Penicillin	Fluoroquinolone	Macrolide	Lipoglycopeptides	Sulphonamide	Aminoglycoside
Cephalosporin	Nitroheterocycle furans	Glycylcycline	Annamycin	Carbapenem	