

Healthy
Infected

multidrug
polymyxin
aminoglycoside
beta_lactam
MLS
bacitracin
tetracycline
rifamycin
sulfonamide
Others

ICE
Integron
IS
Plasmid
Transposon

Cu
Zn
As
Co_Mg
Ni
Fe
Cu_Ag
Cu_Zn
Ag
Others

IronUptake
Adherence
SecretionSystem
MotilityInvasionAdherence
ImmuneEvasion
Toxin
EffluxPump
Autotransporter
FimbrialAdherenceDeterminants
Others

ACID
BIOCIDE
HEAT

Healthy
Infected

Klebsiella
Escherichia
Pseudomonas
Enterobacter
Citrobacter
Acinetobacter
Shigella
Serratia
Vibrio
Others

Escherichia
Klebsiella
Pseudomonas
Enterobacter
Citrobacter
Shigella
Acinetobacter
Vibrio
Enterococcus
Others

Klebsiella
Pseudomonas
Escherichia
Enterobacter
Citrobacter
Acinetobacter
Shigella
Salmonella
Serratia
Others

Klebsiella
Escherichia
Pseudomonas
Enterobacter
Shigella
Acinetobacter
Citrobacter
Serratia
Salmonella
Others

Healthy
Infected

Pathogen
NonPathogen