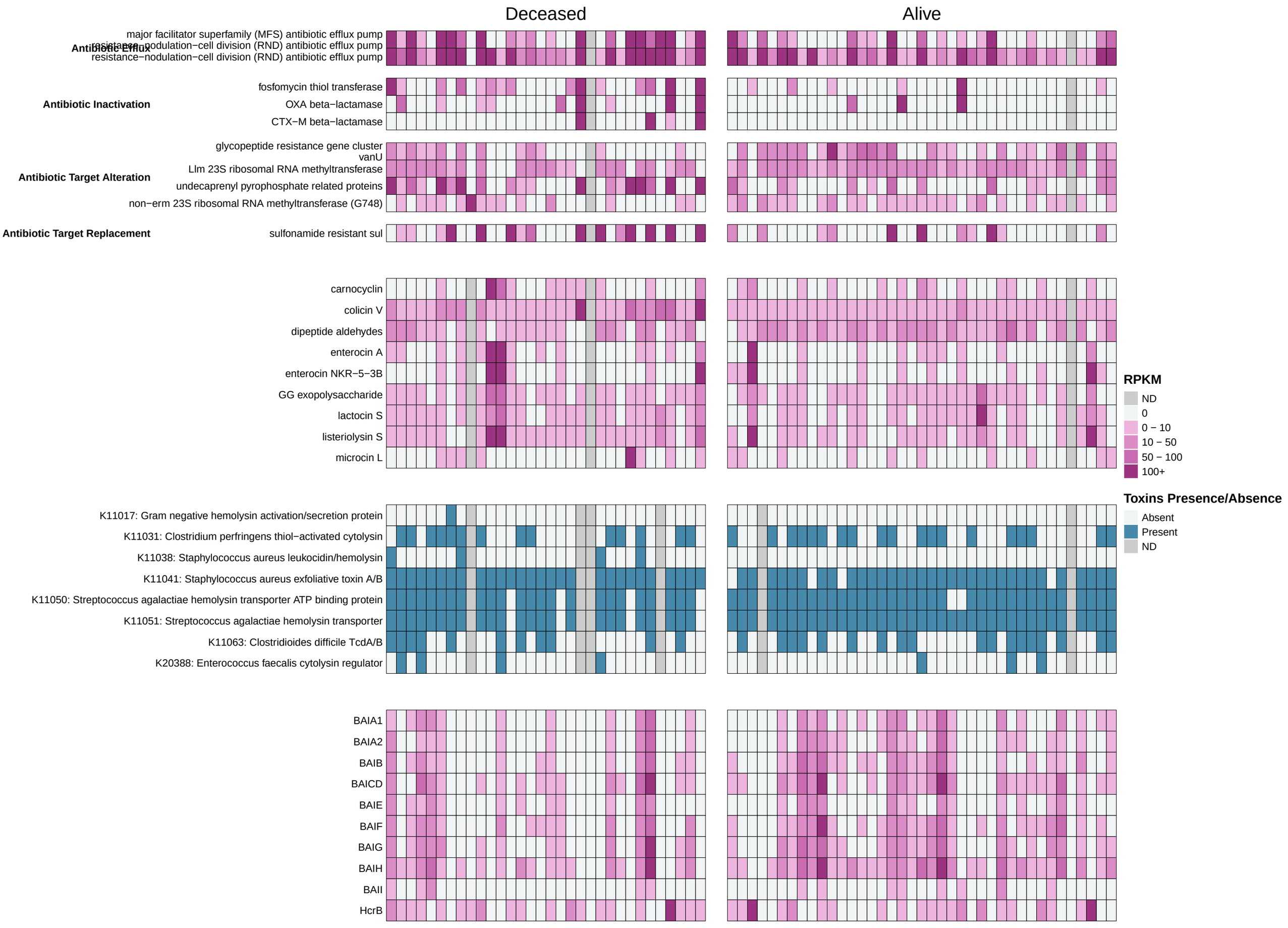
Deceased
Alive
Antibiotic Efflux
major facilitator superfamily (MFS) antibiotic efflux pump
resistance−nodulation−cell division (RND) antibiotic efflux pump
resistance−nodulation−cell division (RND) antibiotic efflux pump
Antibiotic Inactivation
fosfomycin thiol transferase
OXA beta−lactamase
CTX−M beta−lactamase
Antibiotic Target Alteration
glycopeptide resistance gene cluster vanU
Llm 23S ribosomal RNA methyltransferase
undecaprenyl pyrophosphate related proteins
non−erm 23S ribosomal RNA methyltransferase (G748)
Antibiotic Target Replacement
sulfonamide resistant sul
carnocyclin
colicin V
dipeptide aldehydes
enterocin A
enterocin NKR−5−3B
GG exopolysaccharide
lactocin S
listeriolysin S
microcin L
K11017: Gram negative hemolysin activation/secretion protein
K11031: Clostridium perfringens thiol−activated cytolysin
K11038: Staphylococcus aureus leukocidin/hemolysin
K11041: Staphylococcus aureus exfoliative toxin A/B
K11050: Streptococcus agalactiae hemolysin transporter ATP binding protein
K11051: Streptococcus agalactiae hemolysin transporter
K11063: Clostridioides difficile TcdA/B
K20388: Enterococcus faecalis cytolysin regulator
BAIA1
BAIA2
BAIB
BAICD
BAIE
BAIF
BAIG
BAIH
BAII
HcrB
RPKM
ND
0
0 − 10
10 − 50
50 − 100
100+
Toxins Presence/Absence
Absent
Present
ND