N(2)-citryl-N(6)-acetyl-N(6)-hydroxylysine synthase (CPPDILNA_00002)
Achromobactin biosynthesis and transport (VF0922) (CPPDILNA_00004)
Virulence regulon transcriptional activator VirB (CPPDILNA_00007)
Putative phosphoserine phosphatase 2 (CPPDILNA_00011)
N(6)-hydroxylysine O-acetyltransferase (CPPDILNA_00003)
RepFIB replication protein A (CPPDILNA_00010)
Plasmid partition protein A (CPPDILNA_00008)
Ferric aerobactin receptor (CPPDILNA_00006)
Aerobactin (VF0229) (CPPDILNA_00005)
Acetyltransferase (CPPDILNA_00014)
Aerobactin (VF0123) (CPPDILNA_00001)
9
12
13
Riboflavin transporter RfnT (CPPDILNA_00015)
IMGPR_plasmid_2902980113_000001 542:18144(+)
N(2)-citryl-N(6)-acetyl-N(6)-hydroxylysine synthase (FPKAKBEH_00066)
Achromobactin biosynthesis and transport (VF0922) (FPKAKBEH_00064)
Virulence regulon transcriptional activator VirB (FPKAKBEH_00061)
N(6)-hydroxylysine O-acetyltransferase (FPKAKBEH_00065)
RepFIB replication protein A (FPKAKBEH_00058)
Plasmid partition protein A (FPKAKBEH_00060)
Ferric aerobactin receptor (FPKAKBEH_00062)
Aerobactin (VF0229) (FPKAKBEH_00063)
59
IMGPR_plasmid_2874080034_000001 47060:63450(-)
Achromobactin biosynthesis and transport (VF0922) (EHGPJJEB_00066)
Achromobactin biosynthesis and transport (VF0922) (EHGPJJEB_00064)
Virulence regulon transcriptional activator VirB (EHGPJJEB_00061)
N(6)-hydroxylysine O-acetyltransferase (EHGPJJEB_00065)
RepFIB replication protein A (EHGPJJEB_00058)
Plasmid partition protein A (EHGPJJEB_00060)
Ferric aerobactin receptor (EHGPJJEB_00062)
Aerobactin (VF0229) (EHGPJJEB_00063)
59
IMGPR_plasmid_2731957816_000002 47911:64485(-)
aminoglycoside 6'-N-acetyltransferase (NF012165.0) (MAGPOFPK_00003)
Achromobactin biosynthesis and transport (VF0922) (MAGPOFPK_00004)
Virulence regulon transcriptional activator VirB (MAGPOFPK_00007)
Plasmid partition protein A (MAGPOFPK_00008)
Ferric aerobactin receptor (MAGPOFPK_00006)
Aerobactin (VF0229) (MAGPOFPK_00005)
Aerobactin (VF0123) (MAGPOFPK_00001)
2
9 RepFIB replication protein A (MAGPOFPK_00010)
IMGPR_plasmid_2869118489_000001 522:18125(+)
N(2)-citryl-N(6)-acetyl-N(6)-hydroxylysine synthase (PJEOFLCG_00001)
Achromobactin biosynthesis and transport (VF0922) (PJEOFLCG_00003)
Virulence regulon transcriptional activator VirB (PJEOFLCG_00006)
N(6)-hydroxylysine O-acetyltransferase (PJEOFLCG_00002)
Riboflavin transporter RfnT (PJEOFLCG_00014)
RepFIB replication protein A (PJEOFLCG_00009)
Plasmid partition protein A (PJEOFLCG_00007)
Ferric aerobactin receptor (PJEOFLCG_00005)
Riboflavin transporter RfnT (PJEOFLCG_00015)
Aerobactin (VF0229) (PJEOFLCG_00004)
8
Pla (VF0139) (PJEOFLCG_00016)
IMGPR_plasmid_2869127395_000001 23:17718(+)
N(2)-citryl-N(6)-acetyl-N(6)-hydroxylysine synthase (GLPPMEDL_00001)
Achromobactin biosynthesis and transport (VF0922) (GLPPMEDL_00003)
Virulence regulon transcriptional activator VirB (GLPPMEDL_00006)
N(6)-hydroxylysine O-acetyltransferase (GLPPMEDL_00002)
RepFIB replication protein A (GLPPMEDL_00009)
Plasmid partition protein A (GLPPMEDL_00007)
Ferric aerobactin receptor (GLPPMEDL_00005)
Aerobactin (VF0229) (GLPPMEDL_00004)
8
14 Riboflavin transporter RfnT (GLPPMEDL_00015)
IMGPR_plasmid_2902975652_000001 2:17704(+)
Virulence regulon transcriptional activator VirB (KIPIKMIK_00061)
N(6)-hydroxylysine O-acetyltransferase (KIPIKMIK_00066)
RepFIB replication protein A (KIPIKMIK_00059)
Aerobactin synthase (KIPIKMIK_00064)
Ferric aerobactin receptor (KIPIKMIK_00062)
Aerobactin (VF0229) (KIPIKMIK_00063)
65
Plasmid partition protein A (KIPIKMIK_00060)
54
IMGPR_plasmid_2921811289_000001 47123:62987(-)
Achromobactin biosynthesis and transport (VF0922) (JMAKMIDD_00064)
Serine/threonine-protein kinase toxin HipA (JMAKMIDD_00070)
N(6)-hydroxylysine O-acetyltransferase (JMAKMIDD_00065)
Malto-oligosyltrehalose trehalohydrolase (JMAKMIDD_00071)
Virulence regulon transcriptional activator VirB (JMAKMIDD_00061)
Vibriobactin utilization protein ViuB (JMAKMIDD_00068)
Maltooligosyl trehalose synthase (JMAKMIDD_00072)
RepFIB replication protein A (JMAKMIDD_00058)
Glycogen operon protein GlgX (JMAKMIDD_00073)
Ferric aerobactin receptor (JMAKMIDD_00062)
Aerobactin (VF0123) (JMAKMIDD_00066)
Plasmid partition protein A (JMAKMIDD_00060)
74
69
67
Aerobactin (VF0229) (JMAKMIDD_00063)
59
IMGPR_plasmid_2731957819_000002 47915:78574(-)
Achromobactin biosynthesis and transport (VF0922) (BEOFEOCH_00060)
Serine/threonine-protein kinase toxin HipA (BEOFEOCH_00066)
N(6)-hydroxylysine O-acetyltransferase (BEOFEOCH_00061)
Malto-oligosyltrehalose trehalohydrolase (BEOFEOCH_00067)
Virulence regulon transcriptional activator VirB (BEOFEOCH_00057)
Vibriobactin utilization protein ViuB (BEOFEOCH_00064)
Maltooligosyl trehalose synthase (BEOFEOCH_00068)
RepFIB replication protein A (BEOFEOCH_00054)
Glycogen operon protein GlgX (BEOFEOCH_00069)
Ferric aerobactin receptor (BEOFEOCH_00058)
Aerobactin (VF0123) (BEOFEOCH_00062)
Plasmid partition protein A (BEOFEOCH_00056)
70
65
63
Aerobactin (VF0229) (BEOFEOCH_00059)
55
IMGPR_plasmid_2856036541_000001 41547:71329(-)
Achromobactin biosynthesis and transport (VF0922) (MCLEKPAG_00063)
Virulence regulon transcriptional activator VirB (MCLEKPAG_00060)
Serine/threonine-protein kinase toxin HipA (MCLEKPAG_00069)
N(6)-hydroxylysine O-acetyltransferase (MCLEKPAG_00064)
Vibriobactin utilization protein ViuB (MCLEKPAG_00067)
RepFIB replication protein A (MCLEKPAG_00057)
Ferric aerobactin receptor (MCLEKPAG_00061)
Aerobactin (VF0123) (MCLEKPAG_00065)
Plasmid partition protein A (MCLEKPAG_00059)
68
66
Aerobactin (VF0229) (MCLEKPAG_00062)
58
IMGPR_plasmid_2903029400_000001 47551:68999(-)
Achromobactin biosynthesis and transport (VF0922) (HCAMDFPK_00015)
Serine/threonine-protein kinase toxin HipA (HCAMDFPK_00009)
50S ribosomal protein L16 3-hydroxylase (HCAMDFPK_00003)
N(6)-hydroxylysine O-acetyltransferase (HCAMDFPK_00014)
Malto-oligosyltrehalose trehalohydrolase (HCAMDFPK_00008)
Vibriobactin utilization protein ViuB (HCAMDFPK_00011)
Maltooligosyl trehalose synthase (HCAMDFPK_00007)
Virulence regulon transcriptional activator VirB (HCAMDFPK_00018)
Glycogen operon protein GlgX (HCAMDFPK_00006)
RepFIB replication protein A (HCAMDFPK_00021)
Serine transporter (HCAMDFPK_00001)
Antitoxin HipB (HCAMDFPK_00010)
Ferric aerobactin receptor (HCAMDFPK_00017)
MgtBC (VF0106) (HCAMDFPK_00002)
Aerobactin (VF0123) (HCAMDFPK_00013)
Plasmid partition protein A (HCAMDFPK_00019)
4
5
12
Aerobactin (VF0229) (HCAMDFPK_00016)
20
IMGPR_plasmid_2921824847_000002 688:38231(+)
Achromobactin biosynthesis and transport (VF0922) (OHKCLOJA_00002)
N(2)-citryl-N(6)-acetyl-N(6)-hydroxylysine synthase (OHKCLOJA_00001)
Achromobactin biosynthesis and transport (VF0922) (OHKCLOJA_00004)
Virulence regulon transcriptional activator VirB (OHKCLOJA_00007)
Putative phosphoserine phosphatase 2 (OHKCLOJA_00010)
RepFIB replication protein A (OHKCLOJA_00009)
Plasmid partition protein A (OHKCLOJA_00008)
N(6)-hydroxylysine O-acetyltransferase (OHKCLOJA_00003)
Coagulase/fibrinolysin (OHKCLOJA_00015)
Ferric aerobactin receptor (OHKCLOJA_00006)
IcsP (SopA) (VF0122) (OHKCLOJA_00016)
Aerobactin (VF0229) (OHKCLOJA_00005)
17
IMGPR_plasmid_2921806583_000001 552:20198(+)
N(2)-citryl-N(6)-acetyl-N(6)-hydroxylysine synthase (KLEHLGBN_00001)
Contact-dependent inhibition CDI system (VF1131) (KLEHLGBN_00010)
Achromobactin biosynthesis and transport (VF0922) (KLEHLGBN_00003)
Virulence regulon transcriptional activator VirB (KLEHLGBN_00006)
N(6)-hydroxylysine O-acetyltransferase (KLEHLGBN_00002)
RepFIB replication protein A (KLEHLGBN_00009)
Plasmid partition protein A (KLEHLGBN_00007)
Contact-dependent inhibition CDI system (VF1131) (KLEHLGBN_00014)
Ferric aerobactin receptor (KLEHLGBN_00005)
tRNA nuclease CdiA (KLEHLGBN_00012)
18
20
Aerobactin (VF0229) (KLEHLGBN_00004)
8
11
tRNA nuclease CdiA (KLEHLGBN_00013)
15
16
17
19
21
22
IMGPR_plasmid_2869136618_000003 21:34780(+)
FBEDAFAA_00001
IMGPR_plasmid_2871393495_000001 273:5246(+)
FNOCIMMP_00057
FNOCIMMP_00058
IMGPR_plasmid_2903001996_000001 47551:52524(-)
EBIMHDCD_00058
EBIMHDCD_00059
IMGPR_plasmid_2675903385_000001 44609:49663(-)
1
2
3
4
5
6
7
IMGPR_plasmid_2921816052_000001 85:7991(+)
10000 nt
Virulence
AMR