UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase GtfA subunit (FPLMEGNH_00891)
Anthranilate 1,2-dioxygenase system ferredoxin--NAD(+) reductase component (FPLMEGNH_00903)
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase GtfA subunit (FPLMEGNH_00898)
Naphthalene 1,2-dioxygenase system, ferredoxin component (FPLMEGNH_00904)
Polysialic acid transport ATP-binding protein KpsT (FPLMEGNH_00896)
K1 capsule (VF0239) (FPLMEGNH_00895)
FPLMEGNH_00892
3-methyl-2-oxobutanoate hydroxymethyltransferase (FPLMEGNH_00902)
FPLMEGNH_00893
Capsule (VF0079) (FPLMEGNH_00900)
FPLMEGNH_00894
FPLMEGNH_00899
FPLMEGNH_00897
FPLMEGNH_00905
IMGPR_plasmid_2848978059_000005 973481:990050(+)
Capsule (VF0079) (OILCJOOD_00612)
618
616 615
614 613
Metalloprotease AprA (OILCJOOD_00610)
IMGPR_plasmid_2841474449_000002 637154:655088(-)
Capsule (VF0079) (COIHECOP_01415)
COIHECOP_01414
COIHECOP_01413
IS4 family transposase ISRm16 (COIHECOP_01417)
IMGPR_plasmid_650716086_000004 1516533:1530866(+)
LGIOIMFM_01322
LGIOIMFM_01321
Capsule (VF0079) (LGIOIMFM_01323)
IMGPR_plasmid_2850633175_000003 1425339:1438364(+)
Capsule (VF0079) (HLMMCMHC_00924)
HLMMCMHC_00921
HLMMCMHC_00922
HLMMCMHC_00920
HLMMCMHC_00917
HLMMCMHC_00919
HLMMCMHC_00926
HLMMCMHC_00918
HLMMCMHC_00923
IMGPR_plasmid_2517487022_000003 981398:1000521(+)
N-acylneuraminate cytidylyltransferase (BDGBBHHC_01436)
N,N'-diacetyllegionaminic acid synthase (BDGBBHHC_01435)
LPS (VF0085) (BDGBBHHC_01434)
1431 1430
IMGPR_plasmid_2850646820_000003 1543607:1558636(-)
N-acylneuraminate cytidylyltransferase (MKMKKMJL_01206)
N,N'-diacetyllegionaminic acid synthase (MKMKKMJL_01207)
LPS (VF0085) (MKMKKMJL_01208)
1206 1207
IMGPR_plasmid_2841467545_000003 1312676:1327513(+)
N-acylneuraminate cytidylyltransferase (ICIECDIL_01320)
N,N'-diacetyllegionaminic acid synthase (ICIECDIL_01319)
IS5 family transposase ISRtr4 (ICIECDIL_01318)
LPS (VF0085) (ICIECDIL_01317)
1314 1313
IMGPR_plasmid_2918445941_000003 1414134:1429908(-)
N-acylneuraminate cytidylyltransferase (MCPJAFGN_00948)
N,N'-diacetyllegionaminic acid synthase (MCPJAFGN_00949)
IS66 family transposase ISRel15 (MCPJAFGN_00953)
LPS (VF0085) (MCPJAFGN_00950)
949 950
952
IMGPR_plasmid_2597490149_000002 1056105:1073452(+)
8-amino-3,8-dideoxy-manno-octulosonate cytidylyltransferase (LINOELNG_00229)
Acetyl-CoA:oxalate CoA-transferase (LINOELNG_00240)
N,N'-diacetyllegionaminic acid synthase (LINOELNG_00228)
UDP-galactopyranose mutase (LINOELNG_00231)
234
233
232
231
229
Capsule (VF0079) (LINOELNG_00227)
IMGPR_plasmid_2512047086_000004 253707:279730(-)
Arabinose 5-phosphate isomerase KdsD (HNJPBAKN_00343)
IS256 family transposase ISRm5 (HNJPBAKN_00337)
Polysaccharide capsule (VF0659) (HNJPBAKN_00342)
IS256 family transposase ISRm5 (HNJPBAKN_00336)
Capsule (VF0079) (HNJPBAKN_00341)
339
IS256 family transposase ISRm5 (HNJPBAKN_00332)
340
338
335
334
333
331
IMGPR_plasmid_2847403270_000002 350295:374132(-)
Arabinose 5-phosphate isomerase KdsD (CLGMGDBN_01412)
CLGMGDBN_01416
CLGMGDBN_01418
CLGMGDBN_01417
IMGPR_plasmid_640753051_000003 1509578:1525728(+)
2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (FLHOCGFO_00581)
IS3 family transposase ISHar1 (FLHOCGFO_00582)
IS3 family transposase ISHar1 (FLHOCGFO_00583)
585
586 584
580
Capsule (VF0079) (FLHOCGFO_00579)
IMGPR_plasmid_2562617130_000002 607133:625740(-)
2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (JGINGLFC_00637)
IS3 family transposase ISHar1 (JGINGLFC_00638)
IS3 family transposase ISHar1 (JGINGLFC_00639)
641
642 640
636
635
Capsule (VF0079) (JGINGLFC_00634)
IMGPR_plasmid_2847375993_000002 674667:693275(-)
2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (MACDHKHH_00582)
IS3 family transposase ISHar1 (MACDHKHH_00583)
IS3 family transposase ISHar1 (MACDHKHH_00584)
586
590
587 585
581
Capsule (VF0079) (MACDHKHH_00580)
IMGPR_plasmid_637000269_000002 607130:627036(-)
2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (CPGACFOC_00963)
IS3 family transposase ISHar1 (CPGACFOC_00962)
IS3 family transposase ISHar1 (CPGACFOC_00961)
956
958
955 957
962
Capsule (VF0079) (CPGACFOC_00965)
IMGPR_plasmid_2855839649_000004 1060420:1079022(+)
2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (EJIPODPE_00952)
Putative transposase InsK for insertion sequence element IS150 (EJIPODPE_00950)
IS3 family transposase ISBam1 (EJIPODPE_00951)
946
948
945 947
952
Capsule (VF0079) (EJIPODPE_00954)
IMGPR_plasmid_651053067_000002 1042512:1062406(+)
2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (KKAGDBLO_01456)
Putative transposase InsK for insertion sequence element IS150 (KKAGDBLO_01458)
IS3 family transposase ISHar1 (KKAGDBLO_01457)
1459 1457
1458
1453
Capsule (VF0079) (KKAGDBLO_01454)
IMGPR_plasmid_2850654020_000003 1591272:1609864(-)
2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (LLMDMPGB_00215)
ISNCY family transposase ISRsp17 (LLMDMPGB_00224)
IS3 family transposase ISHar1 (LLMDMPGB_00216)
IS3 family transposase ISHar1 (LLMDMPGB_00217)
218
220
221 219
214
Capsule (VF0079) (LLMDMPGB_00213)
IMGPR_plasmid_2848985563_000003 224191:245746(-)
2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (PPLMMJFO_00405)
IS3 family transposase ISHar1 (PPLMMJFO_00406)
408
411 409
410 407
404
Capsule (VF0079) (PPLMMJFO_00403)
IMGPR_plasmid_2512875026_000003 426303:444945(-)
UDP-4-amino-4,6-dideoxy-N-acetyl-beta-L-altrosamine N-acetyltransferase (NMCEABBA_00965)
UDP-4-amino-4,6-dideoxy-N-acetyl-beta-L-altrosamine transaminase (NMCEABBA_00968)
UDP-2,4-diacetamido-2,4,6-trideoxy-beta-L-altropyranose hydrolase (NMCEABBA_00966)
UDP-N-acetylglucosamine 4,6-dehydratase (inverting) (NMCEABBA_00969)
N-acylneuraminate cytidylyltransferase (NMCEABBA_00967)
Pseudaminic acid synthase (NMCEABBA_00964)
972
IMGPR_plasmid_2561511187_000003 1067214:1080402(+)
MLDLKGOL_00572
MLDLKGOL_00570
MLDLKGOL_00568
MLDLKGOL_00562
MLDLKGOL_00573
MLDLKGOL_00563
IMGPR_plasmid_2844483825_000002 582884:593097(-)
IS66 family transposase ISRm14 (KLJMBOKK_00049)
IS66 family transposase ISPpa5 (KLJMBOKK_00047)
IS66 family transposase ISRel15 (KLJMBOKK_00042)
IS66 family transposase IS66 (KLJMBOKK_00037)
IS630 family transposase ISRm10-1 (KLJMBOKK_00028)
IS66 family transposase ISAzs21 (KLJMBOKK_00046)
IS256 family transposase ISRm5 (KLJMBOKK_00030)
Capsule (VF0079) (KLJMBOKK_00054)
22 23 27 29 31 32 33 34 35 36 38 39 40 41 43 44 45 48 50 51 52 53
IMGPR_plasmid_2511231052_000005 17851:58084(+)
2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase (MKGIFKAG_00972)
8-amino-3,8-dideoxy-manno-octulosonate cytidylyltransferase (MKGIFKAG_00975)
IS66 family transposase ISRel19 (MKGIFKAG_00961)
IS3 family transposase ISSme1 (MKGIFKAG_00970)
IS3 family transposase ISSme1 (MKGIFKAG_00960)
IS3 family transposase ISSme1 (MKGIFKAG_00969)
IS66 family transposase ISAzs21 (MKGIFKAG_00965)
967
962
965
N,N'-diacetyllegionaminic acid synthase (MKGIFKAG_00976)
947 948 949 950 951 952 954 955 956 957 958 961 963 966 970 972 973
Capsule (VF0079) (MKGIFKAG_00977)
IMGPR_plasmid_2855825444_000002 1049269:1087753(+)
10000 nt
Virulence