N,N'-diacetylbacillosaminyl-diphospho-undecaprenol alpha-1,3-N-acetylgalactosaminyltransferase (KANNKGKA_00051)
Teichoic acid translocation permease protein TagG (KANNKGKA_00052)
Putative transposon Tn552 DNA-invertase bin3 (KANNKGKA_00049)
Vitamin B12 import ATP-binding protein BtuD (KANNKGKA_00053)
IS6 family transposase IS26 (KANNKGKA_00050)
IMGPR_plasmid_2847577675_000001 36578:47165(+)
Putative transposon Tn552 DNA-invertase bin3 (AKGDOFJG_00010)
Vitamin B12 import ATP-binding protein BtuD (AKGDOFJG_00004)
D-inositol-3-phosphate glycosyltransferase (AKGDOFJG_00008)
IS5 family transposase IS5 (AKGDOFJG_00009)
Exopolysaccharide (VF0755) (AKGDOFJG_00002)
D-inositol-3-phosphate glycosyltransferase (AKGDOFJG_00006)
LPS (VF0561) (AKGDOFJG_00007)
LPS (VF0367) (AKGDOFJG_00001)
IMGPR_plasmid_2667528089_000004 323:17888(-)
Putative transposon Tn552 DNA-invertase bin3 (OKKCNEJM_00007)
Transposon Tn3 resolvase (OKKCNEJM_00004)
Tn3 family transposase ISEc63 (OKKCNEJM_00005)
IS5 family transposase IS5 (OKKCNEJM_00001)
IMGPR_plasmid_2703718827_000001 1:11621(-)
Tn3 family transposase Tn2 (EDLFMIOH_00049)
IMGPR_plasmid_2563366834_000004 27325:36795(+)
LFKMPPIA_00034
LFKMPPIA_00033
LFKMPPIA_00035
IMGPR_plasmid_2548876935_000003 19986:25769(+)
Transposon gamma-delta resolvase (PDIEMBMF_00002)
Modulating protein YmoA (PDIEMBMF_00006)
DNA-binding protein StpA (PDIEMBMF_00005)
Tn3 family transposase ISEc63 (PDIEMBMF_00003)
DNA topoisomerase 3 (PDIEMBMF_00007)
IMGPR_plasmid_2541047739_000007 34274:9774(+)
TEM family class A beta-lactamase (NF000531.2) (KKCFNBBD_00001)
Transposon Tn3 resolvase (KKCFNBBD_00002)
Tn3 family transposase Tn2 (KKCFNBBD_00003)
IMGPR_plasmid_2563366985_000001 1:11394(-), 34893:38707(-)
IMGPR_plasmid_2740892031_000006 23017:33175(-)
NLR_like_bNACHT01__NLR_like_bNACHT01 (AOIHNHKK_00032)
IMGPR_plasmid_2778261067_000010 8195:27370(+)
csa3_I_II_III_IV_V_VI_2 (GFPKDNEN_00049)
ISL3 family transposase ISPst2 (GFPKDNEN_00047)
GFPKDNEN_00050
GFPKDNEN_00048
IMGPR_plasmid_2588253818_000003 32131:39423(+)
NIPEMPCP_00039
NIPEMPCP_00038
NIPEMPCP_00040
IMGPR_plasmid_3300020073_000004 24699:32237(+)
ABC transporter (VF0818) (MDJKPOJH_00002)
MDJKPOJH_00001
IMGPR_plasmid_3300029715_000006 63:7387(-)
Retron_I_B__ATPase_TOPRIM_COG3593 (FODEGEEG_00045)
IMGPR_plasmid_2639762944_000001 27893:36893(+)
HHKJAILC_00041
Retron_I_B__ATPase_TOPRIM_COG3593 (HHKJAILC_00044)
HHKJAILC_00042
HHKJAILC_00043
IMGPR_plasmid_2519899630_000002 27624:36625(+)
Retron_I_B__ATPase_TOPRIM_COG3593 (INIJEAKA_00002)
IMGPR_plasmid_2630968990_000001 788:12085(-)
Retron_I_B__ATPase_TOPRIM_COG3593 (FOJGHGCL_00043)
IMGPR_plasmid_2909201685_000003 24910:36207(+)
Retron_I_B__ATPase_TOPRIM_COG3593 (INOEHADD_00043)
Hna__Hna (INOEHADD_00044)
IMGPR_plasmid_641736105_000001 24453:37257(+)
Retron_I_B__ATPase_TOPRIM_COG3593 (EKPMGHOK_00041)
IS481 family transposase ISErsp1 (EKPMGHOK_00043)
Hna__Hna (EKPMGHOK_00042)
IMGPR_plasmid_2541047638_000002 24025:37530(+)
DJJKKMDL_00045
DJJKKMDL_00044
DJJKKMDL_00046
IMGPR_plasmid_2630968407_000001 29658:36652(+)
GAIOMKHC_00002
GAIOMKHC_00003
GAIOMKHC_00001
IMGPR_plasmid_2576861371_000005 1232:8226(-)
NDAMBMPL_00041
NDAMBMPL_00044
NDAMBMPL_00042
NDAMBMPL_00043
IMGPR_plasmid_2630968409_000001 26845:34169(+)
DPBIDJDP_00042
DPBIDJDP_00043
DPBIDJDP_00044
DPBIDJDP_00045
IMGPR_plasmid_2630968546_000001 29157:37478(+)
IMGPR_plasmid_2778261182_000004 28933:37083(+)
IS481 family transposase ISErsp1 (OFIOPOBN_00005)
IS481 family transposase ISErsp1 (OFIOPOBN_00006)
Retron_I_B__ATPase_TOPRIM_COG3593 (OFIOPOBN_00008)
Type IV secretion system protein VirB11 (OFIOPOBN_00041)
Hna__Hna (OFIOPOBN_00007)
Protein VirD4 (OFIOPOBN_00042)
IMGPR_plasmid_2554235427_000002 1:15593(-), 32344:37768(-)
IS481 family transposase ISErsp1 (EALMNMJJ_00003)
IS481 family transposase ISErsp1 (EALMNMJJ_00004)
Retron_I_B__ATPase_TOPRIM_COG3593 (EALMNMJJ_00006)
Hna__Hna (EALMNMJJ_00005)
IMGPR_plasmid_2724679293_000004 345:15256(-)
IS481 family transposase ISErsp1 (POKBNBFJ_00040)
IS481 family transposase ISErsp1 (POKBNBFJ_00039)
PI protein (POKBNBFJ_00027)
Retron_I_B__ATPase_TOPRIM_COG3593 (POKBNBFJ_00037)
Hna__Hna (POKBNBFJ_00038)
IMGPR_plasmid_2713896770_000008 20074:36083(+)
2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial (FDCPDMCD_00028)
Microcin C7 self-immunity protein MccF (FDCPDMCD_00030)
Retron_I_B__ATPase_TOPRIM_COG3593 (FDCPDMCD_00032)
Diaminopimelate decarboxylase (FDCPDMCD_00029)
IMGPR_plasmid_3300053491_027716 19624:40814(-)
2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial (ILPMNJNJ_00039)
Microcin C7 self-immunity protein MccF (ILPMNJNJ_00041)
Retron_I_B__ATPase_TOPRIM_COG3593 (ILPMNJNJ_00043)
Diaminopimelate decarboxylase (ILPMNJNJ_00040)
IMGPR_plasmid_2541047750_000001 24569:45181(-)
2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial (HCOFHKHO_00004)
Microcin C7 self-immunity protein MccF (HCOFHKHO_00002)
Retron_I_B__ATPase_TOPRIM_COG3593 (HCOFHKHO_00053)
Diaminopimelate decarboxylase (HCOFHKHO_00003)
IMGPR_plasmid_3300029066_000006 36331:11904(+)
2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial (NLGNPHNJ_00009)
Microcin C7 self-immunity protein MccF (NLGNPHNJ_00007)
Retron_I_B__ATPase_TOPRIM_COG3593 (NLGNPHNJ_00005)
Diaminopimelate decarboxylase (NLGNPHNJ_00008)
IMGPR_plasmid_2541047779_000001 40962:17402(+)
2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial (JLIHJIEG_00003)
Diaminopimelate decarboxylase (JLIHJIEG_00002)
Microcin C7 self-immunity protein MccF (JLIHJIEG_00001)
IMGPR_plasmid_2778261674_000015 36273:10860(+)
Retron_I_B__ATPase_TOPRIM_COG3593 (DDBEIHNG_00019)
Tn3 family transposase ISNpu13 (DDBEIHNG_00015)
IMGPR_plasmid_2651869702_000001 4484:20872(+)
KHPMHLCD_00049
KHPMHLCD_00002
KHPMHLCD_00048
KHPMHLCD_00001
IMGPR_plasmid_2531839582_000007 29794:4650(+)
EOABIIFG_00001
EOABIIFG_00046
EOABIIFG_00002
EOABIIFG_00047
IMGPR_plasmid_2734482540_000010 1:6348(-), 30771:35274(-)
IMGPR_plasmid_2531839580_000008 1:6332(-), 31476:36624(-)
IMGPR_plasmid_2675903595_000007 1:4758(-), 28314:35254(-)
IMGPR_plasmid_2545824707_000004 1:8751(-), 33122:38198(-)
IMGPR_plasmid_3300053491_021467 34775:8322(+)
IS481 family transposase ISKpn28 (MFKPDLGF_00010)
IMGPR_plasmid_3300053491_021483 2211:16642(+)
IS481 family transposase ISKpn28 (NHAJAFED_00014)
IMGPR_plasmid_3300028981_000004 2655:17086(-)
Chaperone protein DnaJ (LEJKKFGK_00032)
LEJKKFGK_00033
LEJKKFGK_00028
LEJKKFGK_00027
IMGPR_plasmid_2663763457_000002 22599:29156(-)
OCMDOEDH_00039
OCMDOEDH_00045
IMGPR_plasmid_2588253819_000002 30424:35850(+)
MDLPKIAD_00035
IMGPR_plasmid_3300012243_000006 30932:37644(-)
GJEAPBBN_00004
GJEAPBBN_00005
IMGPR_plasmid_3300029605_000010 1813:8537(-)
MCPPFIBF_00036
MCPPFIBF_00039
IMGPR_plasmid_2600255184_000001 23983:28199(+)
Putative transposon Tn552 DNA-invertase bin3 (NIBJKIDJ_00002)
NIBJKIDJ_00005
NIBJKIDJ_00001
IMGPR_plasmid_3300034069_000050 346:4583(-)
OJFFNFDN_00002
OJFFNFDN_00034
OJFFNFDN_00030
IMGPR_plasmid_2778261244_000002 1:1089(-), 22544:29600(-)
Chaperone protein DnaJ (FEPPCIKE_00030)
FEPPCIKE_00034
IMGPR_plasmid_3300011461_000001 22307:28778(+)
LFEFBBDD_00043
LFEFBBDD_00004
IMGPR_plasmid_2778261462_000002 28201:3580(+)
PDFCKOHF_00037
IMGPR_plasmid_3300053491_019904 1:1360(-), 23254:29452(-)
INHOJDAD_00028
INHOJDAD_00033
IMGPR_plasmid_3300031151_000055 18229:24512(+)
PI protein (AOEOMODB_00040)
PI protein (AOEOMODB_00041)
AOEOMODB_00037
IMGPR_plasmid_2888264944_000001 24149:28337(-)
BKC/GPC family carbapenem-hydrolyzing class A beta-lactamase (NF033626.2) (NLBFCHDF_00006)
IS21 family transposase ISKpn7 (NLBFCHDF_00004)
IS1182 family transposase ISKpn6 (NLBFCHDF_00007)
Putative transposon Tn552 DNA-invertase bin3 (NLBFCHDF_00009)
Tn3 family transposase ISPsy42 (NLBFCHDF_00002)
Tyrosine recombinase XerC (NLBFCHDF_00001)
IMGPR_plasmid_2811995315_000006 402:16834(-)
IMGPR_plasmid_3300053491_018639 3192:15517(-)
IMGPR_plasmid_2541047727_000003 20359:32636(+)
IMGPR_plasmid_2541047911_000003 4075:15572(-)
IMGPR_plasmid_2740892232_000002 699:10046(-)
EHGCNDAO_00061
EHGCNDAO_00060
EHGCNDAO_00062
IMGPR_plasmid_3300011784_000033 48404:53783(+)
CJABLHAP_00002
CJABLHAP_00003
CJABLHAP_00001
IMGPR_plasmid_2675903417_000003 162:5541(-)
DOLKJEPL_00002
DOLKJEPL_00003
DOLKJEPL_00004
Bacterial non-heme ferritin (DOLKJEPL_00001)
IMGPR_plasmid_2711768169_000003 482:8253(-)
QnrVC family quinolone resistance pentapeptide repeat protein (NF000421.1) (LKPCOGKI_00003)
Tet(A)/Tet(B)/Tet(C) family tetracycline efflux MFS transporter (NF012174.0) (LKPCOGKI_00010)
Tetracycline repressor protein class A from transposon 1721 (LKPCOGKI_00009)
ISKra4 family transposase ISKpn19 (LKPCOGKI_00005)
DNA-invertase hin (LKPCOGKI_00004)
Tn3 family transposase TnAs1 (LKPCOGKI_00012)
DNA-invertase hin (LKPCOGKI_00006)
IMGPR_plasmid_2700989163_000005 48:14196(-)
QnrVC family quinolone resistance pentapeptide repeat protein (NF000421.1) (IIDJPEEJ_00003)
Tet(A)/Tet(B)/Tet(C) family tetracycline efflux MFS transporter (NF012174.0) (IIDJPEEJ_00010)
Tetracycline repressor protein class A from transposon 1721 (IIDJPEEJ_00009)
ISKra4 family transposase ISKpn19 (IIDJPEEJ_00005)
DNA-invertase hin (IIDJPEEJ_00004)
Tn3 family transposase TnAs1 (IIDJPEEJ_00012)
DNA-invertase hin (IIDJPEEJ_00006)
IMGPR_plasmid_3300029719_000017 6:14214(-)
8000 nt
Defence
Virulence
AMR