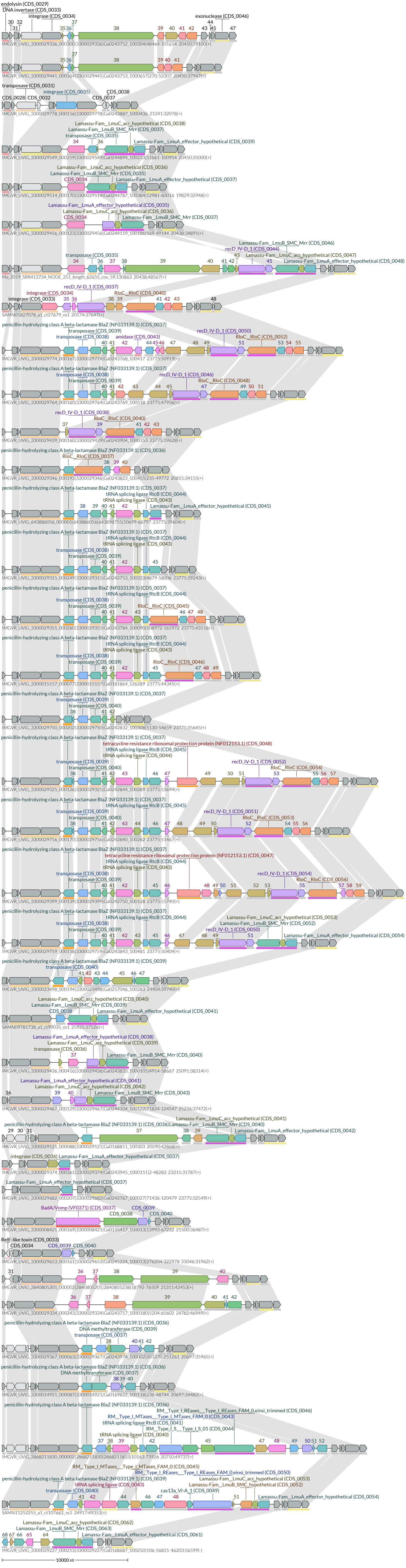
endolysin (CDS_0029)
DNA invertase (CDS_0033)
integrase (CDS_0034)
exonuclease (CDS_0046)
IMGVR_UViG_3300029336_000300|3300029336|Ga0243752_100304|48464-101654 20450:39100(+)
IMGVR_UViG_3300029441_000364|3300029441|Ga0243753_1000657|270-52307 20450:37947(+)
transposase (CDS_0031)
integrase (CDS_0035)
CDS_0038
CDS_0028
CDS_0032
CDS_0037
IMGVR_UViG_3300029778_000156|3300029778|Ga0243887_1000436 21241:32078(+)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0038)
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0037)
transposase (CDS_0035)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0039)
IMGVR_UViG_3300029549_000259|3300029549|Ga0244894_100233|51861-100954 20450:35000(+)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0036)
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0035)
CDS_0034
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0037)
IMGVR_UViG_3300029514_000170|3300029514|Ga0244787_100384|12981-60016 19829:32948(+)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0035)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0036)
CDS_0034
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0037)
IMGVR_UViG_3300029456_000123|3300029456|Ga0244119_100186|169-49144 20438:34891(+)
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0046)
recD_IV-D_1 (CDS_0044)
transposase (CDS_0035)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0047)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0048)
Ma_2019_SRR413734_NODE_251_length_62655_cov_59.130863 20438:48567(+)
recD_IV-D_1 (CDS_0037)
integrase (CDS_0034)
RloC__RloC (CDS_0040)
integrase (CDS_0033)
SAMN05827078_a1_ct27679_vs1 20174:37647(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
transposase (CDS_0039)
recD_IV-D_1 (CDS_0050)
transposase (CDS_0038)
amidase (CDS_0043)
RloC__RloC (CDS_0052)
IMGVR_UViG_3300029774_000167|3300029774|Ga0243768_100417 23775:50919(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
transposase (CDS_0038)
recD_IV-D_1 (CDS_0046)
transposase (CDS_0039)
RloC__RloC (CDS_0048)
IMGVR_UViG_3300029764_000160|3300029764|Ga0243769_100518 23775:47936(+)
recD_IV-D_1 (CDS_0038)
RloC__RloC (CDS_0040)
IMGVR_UViG_3300029439_000160|3300029439|Ga0243904_1000353 23775:39628(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0036)
RloC__RloC (CDS_0037)
IMGVR_UViG_3300029346_000193|3300029346|Ga0243823_100455|235-49772 20815:34155(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
tRNA splicing ligase RtcB (CDS_0044)
tRNA splicing ligase (CDS_0043)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0045)
IMGVR_UViG_643886056_000001|643886056|643898755|10699-66797 23775:39604(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
tRNA splicing ligase RtcB (CDS_0044)
tRNA splicing ligase (CDS_0043)
transposase (CDS_0038)
transposase (CDS_0039)
IMGVR_UViG_3300029315_000249|3300029315|Ga0242753_100333|4879-58006 23775:39243(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
tRNA splicing ligase RtcB (CDS_0044)
transposase (CDS_0038)
transposase (CDS_0039)
RloC__RloC (CDS_0045)
IMGVR_UViG_3300029355_000260|3300029355|Ga0243784_100090|108972-165972 23775:43116(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
tRNA splicing ligase RtcB (CDS_0044)
tRNA splicing ligase (CDS_0043)
transposase (CDS_0038)
transposase (CDS_0039)
RloC__RloC (CDS_0046)
IMGVR_UViG_3300015157_000077|3300015157|Ga0181864_126289 23775:44345(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
transposase (CDS_0039)
transposase (CDS_0040)
IMGVR_UViG_3300029750_000202|3300029750|Ga0242832_100308|5130-54659 23775:35645(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
tetracycline resistance ribosomal protection protein (NF012153.1) (CDS_0048)
tRNA splicing ligase RtcB (CDS_0045)
tRNA splicing ligase (CDS_0044)
transposase (CDS_0039)
recD_IV-D_1 (CDS_0052)
transposase (CDS_0040)
RloC__RloC (CDS_0054)
IMGVR_UViG_3300029325_000126|3300029325|Ga0242844_100289 23775:53694(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
tRNA splicing ligase RtcB (CDS_0045)
transposase (CDS_0039)
recD_IV-D_1 (CDS_0051)
transposase (CDS_0040)
RloC__RloC (CDS_0053)
IMGVR_UViG_3300029756_000170|3300029756|Ga0242840_100282 23775:51467(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
tetracycline resistance ribosomal protection protein (NF012153.1) (CDS_0047)
tRNA splicing ligase RtcB (CDS_0044)
tRNA splicing ligase (CDS_0043)
transposase (CDS_0038)
recD_IV-D_1 (CDS_0054)
transposase (CDS_0039)
RloC__RloC (CDS_0056)
IMGVR_UViG_3300029399_000139|3300029399|Ga0242750_100128 23775:55740(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0037)
tRNA splicing ligase RtcB (CDS_0044)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0053)
transposase (CDS_0038)
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0052)
transposase (CDS_0039)
recD_IV-D_1 (CDS_0050)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0054)
IMGVR_UViG_3300029759_000158|3300029759|Ga0243843_100481 23775:50404(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0039)
transposase (CDS_0040)
IMGVR_UViG_3300023498_000194|3300023498|Ga0257046_100283 24904:39740(+)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0040)
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0039)
CDS_0038
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0041)
SAMN09781738_a1_ct99035_vs1 25925:37526(+)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0038)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0039)
transposase (CDS_0036)
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0040)
IMGVR_UViG_3300029436_000416|3300029436|Ga0243833_1000105|4914-58667 25091:38314(+)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0041)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0042)
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0043)
IMGVR_UViG_3300029467_000129|3300029467|Ga0244104_100122|71824-124547 25236:37472(+)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0041)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0036)
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0040)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0042)
IMGVR_UViG_3300029121_000088|3300029121|Ga0168811_100303 20290:42868(+)
integrase (CDS_0036)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0037)
IMGVR_UViG_3300029374_000361|3300029374|Ga0243945_1000151|2-48283 23215:31787(+)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0037)
IMGVR_UViG_3300029682_000207|3300029682|Ga0242767_100027|71436-120479 23775:32549(+)
BadA/Vomp (VF0371) (CDS_0037)
CDS_0039
CDS_0038
CDS_0040
IMGVR_UViG_3300008421_000169|3300008421|Ga0115417_100013|13993-67232 21500:36487(+)
RelE-like toxin (CDS_0033)
CDS_0034
CDS_0039
CDS_0040
IMGVR_UViG_3300029653_000161|3300029653|Ga0245224_100013|276204-322978 23046:31962(+)
IMGVR_UViG_2840805201_000002|2840805201|2840805238|18792-76509 21311:42453(+)
IMGVR_UViG_3300029334_000243|3300029334|Ga0243717_1000180|5204-65602 24782:46949(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0036)
DNA methyltransferase (CDS_0039)
transposase (CDS_0037)
IMGVR_UViG_3300029367_000063|3300029367|Ga0243974_100002|201270-251261 20697:35965(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0036)
DNA methyltransferase (CDS_0037)
IMGVR_UViG_3300014921_000087|3300014921|Ga0169822_100118|236-48744 20697:34482(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0036)
RM__Type_I_REases__Type_I_REases_FAM_0.einsi_trimmed (CDS_0046)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0043)
tRNA splicing ligase RtcB (CDS_0041)
RM__Type_I_S__Type_I_S_01 (CDS_0044)
tRNA splicing ligase (CDS_0040)
IMGVR_UViG_2868211830_000002|2868211830|2868211833|10163-73926 20710:49737(+)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0045)
RM__Type_I_REases__Type_I_REases_FAM_0.einsi_trimmed (CDS_0050)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0039)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0053)
tRNA splicing ligase (CDS_0043)
Lamassu-Fam__LmuB_SMC_hypothetical (CDS_0052)
transposase (CDS_0040)
cas13a_VI-A_1 (CDS_0049)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0054)
SAMN11252255_a1_ct107662_vs1 24917:49353(+)
Lamassu-Fam__LmuC_acc_hypothetical (CDS_0062)
Lamassu-Fam__LmuB_SMC_Mrr (CDS_0063)
Lamassu-Fam__LmuA_effector_hypothetical (CDS_0061)
IMGVR_UViG_3300029227_000213|3300029227|Ga0168687_100250|106-56815 46203:56599(-)
10000 nt
DNA, RNA and nucleotide metabolism
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
unknown function
Defence
Virulence
AMR