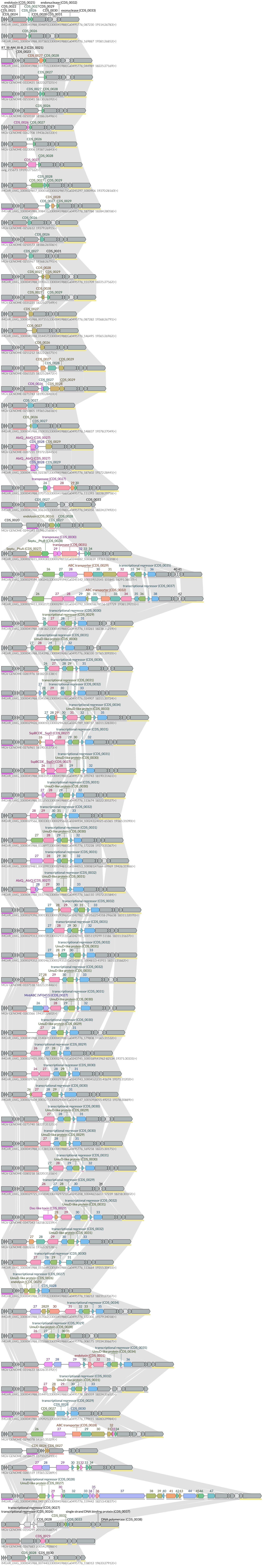
endolysin (CDS_0025)
endonuclease (CDS_0032)
CDS_0022
CDS_0027
CDS_0029
CDS_0021
CDS_0026
CDS_0030
exonuclease (CDS_0033)
CDS_0024
CDS_0028
CDS_0031
IMGVR_UViG_3300045988_004893|3300045988|Ga0495776_087230 19114:26783(+)
CDS_0026
IMGVR_UViG_3300045988_007383|3300045988|Ga0495776_169887 19381:26852(+)
RT_III-AM_III-B_2 (CDS_0021)
CDS_0023
CDS_0027 CDS_0028
IMGVR_UViG_3300045988_019715|3300045988|Ga0495776_044989 18225:27169(+)
CDS_0027
MGV-GENOME-0333421 18223:27221(+)
CDS_0027 CDS_0028
MGV-GENOME-0251041 18230:26592(+)
CDS_0026
MGV-GENOME-0250550 18186:26496(+)
CDS_0026 CDS_0027
MGV-GENOME-0262708 19436:26533(+)
CDS_0026
MGV-GENOME-0323006 19387:26843(+)
CDS_0028
CDS_0027
uvig_215673 19193:27162(+)
CDS_0028
CDS_0027 CDS_0029
IMGVR_UViG_3300029857_000018|3300029857|Ga0245297_1000906 19370:28160(+)
CDS_0028
CDS_0027 CDS_0029
IMGVR_UViG_3300045988_008431|3300045988|Ga0495776_187766 18284:28058(+)
CDS_0026
MGV-GENOME-0252612 19379:26915(+)
CDS_0026
MGV-GENOME-0250573 18186:26506(+)
CDS_0027 CDS_0031
MGV-GENOME-0251967 19368:26791(+)
CDS_0028
CDS_0027 CDS_0029
IMGVR_UViG_3300045988_019263|3300045988|Ga0495776_151709 18225:27562(+)
CDS_0028
CDS_0027 CDS_0029
MGV-GENOME-0331221 18225:27549(+)
CDS_0027
IMGVR_UViG_3300045988_007355|3300045988|Ga0495776_087282 19368:26791(+)
CDS_0027
IMGVR_UViG_3300045988_014457|3300045988|Ga0495776_146495 19365:26962(+)
CDS_0026
MGV-GENOME-0251212 18222:26575(+)
CDS_0027 CDS_0029
CDS_0028
MGV-GENOME-0261525 18225:28472(+)
CDS_0027 CDS_0029
CDS_0026 CDS_0028
MGV-GENOME-0271743 18190:28489(+)
CDS_0027
MGV-GENOME-0250805 19365:26616(+)
CDS_0026
CDS_0027
IMGVR_UViG_3300045988_010035|3300045988|Ga0495776_148837 19378:27049(+)
AbiQ__AbiQ (CDS_0027)
CDS_0028 CDS_0029
MGV-GENOME-0287231 19372:28445(+)
AbiQ__AbiQ (CDS_0027)
CDS_0028 CDS_0029
IMGVR_UViG_3300045988_022387|3300045988|Ga0495776_187602 19372:28445(+)
transposase (CDS_0027)
26 28 29 30
IMGVR_UViG_3300045988_070753|3300045988|Ga0495776_111393 18228:29758(+)
CDS_0027 CDS_0033
IMGVR_UViG_3300045988_006343|3300045988|Ga0495776_045050 18224:27492(+)
endolysin (CDS_0026) CDS_0028
CDS_0020 CDS_0027
MGV-GENOME-0244393 15746:25608(+)
transposase (CDS_0030)
Septu__PtuB (CDS_0028)
transposase (CDS_0031)
Septu__PtuA (CDS_0027)
29 32 33 34
IMGVR_UViG_3300029815_000030|3300029815|Ga0244882_1000839 19361:32208(+)
ABC transporter (CDS_0029)
transcriptional repressor (CDS_0035)
26 27 28 30 31 32 33 34 36 40 41
IMGVR_UViG_3300029594_000241|3300029594|Ga0245142_100159|53541-101841 18291:38037(+)
transcriptional repressor (CDS_0037)
ABC transporter (CDS_0032)
26 27 28 29 30 31 33 34 35 36 38 42
IMGVR_UViG_3300029413_000217|3300029413|Ga0243792_1000058|78156-127729 19381:39255(+)
transcriptional repressor (CDS_0030)
transcriptional repressor (CDS_0029)
26 27 28 31
IMGVR_UViG_3300045988_008382|3300045988|Ga0495776_110261 18238:31219(+)
transcriptional repressor (CDS_0031)
UmuD-like protein (CDS_0030)
27 28 29 32
IMGVR_UViG_3300045988_014398|3300045988|Ga0495776_008330 19365:30920(+)
transcriptional repressor (CDS_0030)
26 27 28 29 31
MGV-GENOME-0281976 18182:31138(+)
transcriptional repressor (CDS_0031)
transcriptional repressor (CDS_0032)
27 28 29 30 33
IMGVR_UViG_3300045988_034504|3300045988|Ga0495776_024907 18311:30724(+)
transcriptional repressor (CDS_0034)
UmuD-like protein (CDS_0033)
27 28 29 30 31 32 35
IMGVR_UViG_3300029426_000010|3300029426|Ga0242789_100737 18311:32830(+)
transcriptional repressor (CDS_0031)
SspBCDE__SspD (CDS_0027)
26 28 29 30 32
MGV-GENOME-0276961 18190:31373(+)
transcriptional repressor (CDS_0031)
UmuD-like protein (CDS_0030)
SspBCDE__SspD (CDS_0027)
26 28 29 32
IMGVR_UViG_3300045988_008359|3300045988|Ga0495776_070743 18190:31461(+)
transcriptional repressor (CDS_0031)
UmuD-like protein (CDS_0030)
27 28 29 32
IMGVR_UViG_3300045988_013250|3300045988|Ga0495776_113674 18322:30527(+)
transcriptional repressor (CDS_0032)
28 29 30 31 33
IMGVR_UViG_3300029566_000330|3300029566|Ga0244934_100243|24025-65365 19365:31090(+)
transcriptional repressor (CDS_0031)
UmuD-like protein (CDS_0030)
27 28 29 32
IMGVR_UViG_3300045988_032897|3300045988|Ga0495776_172228 19370:31367(+)
transcriptional repressor (CDS_0031)
27 28 29 30 32
IMGVR_UViG_3300029481_000299|3300029481|Ga0244053_100081|47664-89969 19426:31986(+)
transcriptional repressor (CDS_0032)
UmuD-like protein (CDS_0031)
AbiQ__AbiQ (CDS_0027)
28 29 30 33
IMGVR_UViG_3300045988_015796|3300045988|Ga0495776_166110 19372:31584(+)
transcriptional repressor (CDS_0032)
27 28 29 30 31 33
IMGVR_UViG_3300029396_000130|3300029396|Ga0242782_100016|254318-296638 18311:32070(+)
transcriptional repressor (CDS_0031)
27 28 29 30 32
IMGVR_UViG_3300029313_000159|3300029313|Ga0242781_100511|9299-51186 18311:31637(+)
transcriptional repressor (CDS_0032)
UmuD-like protein (CDS_0031)
27 28 29 30 33
IMGVR_UViG_3300029352_000146|3300029352|Ga0242801_100481|3-41915 18311:31662(+)
transcriptional repressor (CDS_0032)
UmuD-like protein (CDS_0031)
27 28 29 30 33
MGV-GENOME-0337518 18225:31446(+)
transcriptional repressor (CDS_0031)
MntABC (VF0455) (CDS_0027)
UmuD-like protein (CDS_0030)
26 28 29 32
MGV-GENOME-0283366 19437:32602(+)
transcriptional repressor (CDS_0030)
UmuD-like protein (CDS_0029)
27 28 31
IMGVR_UViG_3300045988_014069|3300045988|Ga0495776_179808 19365:31532(+)
transcriptional repressor (CDS_0029)
26 27 28 30
IMGVR_UViG_3300029435_000378|3300029435|Ga0243745_1000189|41962-82534 19371:30331(+)
transcriptional repressor (CDS_0030)
26 27 28 29 31
IMGVR_UViG_3300029788_000349|3300029788|Ga0243743_1000452|231-41674 19371:31202(+)
transcriptional repressor (CDS_0030)
26 27 28 29 31
IMGVR_UViG_3300029604_000327|3300029604|Ga0245147_100509|8055-49253 19378:30889(+)
transcriptional repressor (CDS_0030)
UmuD-like protein (CDS_0029)
27 28 31
MGV-GENOME-0275740 18227:31121(+)
transcriptional repressor (CDS_0030)
UmuD-like protein (CDS_0029)
27 28 31
IMGVR_UViG_3300045988_031381|3300045988|Ga0495776_169258 18225:30175(+)
transcriptional repressor (CDS_0031)
UmuD-like protein (CDS_0030)
27 28 29 32
MGV-GENOME-0280218 18220:31516(+)
transcriptional repressor (CDS_0029)
26 27 28 30 34
IMGVR_UViG_3300029725_000204|3300029725|Ga0245208_100446|16617-57239 18218:30302(+)
transcriptional repressor (CDS_0032)
UmuD-like protein (CDS_0031)
Doc-like toxin (CDS_0027)
28 29 30 33
MGV-GENOME-0347343 18218:32239(+)
transcriptional repressor (CDS_0032)
UmuD-like protein (CDS_0031)
27 28 29 30 33
MGV-GENOME-0282656 19365:32128(+)
transcriptional repressor (CDS_0030)
27 28 29 31
IMGVR_UViG_3300045988_015649|3300045988|Ga0495776_113664 19355:30410(+)
transcriptional repressor (CDS_0027)
UmuD-like protein (CDS_0026)
endolysin (CDS_0025)
CDS_0028
IMGVR_UViG_3300045988_012211|3300045988|Ga0495776_158212 18231:27067(+)
transcriptional repressor (CDS_0034)
27 2829 30 31 32 33 35
IMGVR_UViG_3300045988_017062|3300045988|Ga0495776_132306 19379:34018(+)
transcriptional repressor (CDS_0029)
UmuD-like protein (CDS_0028)
26 27 30 31
IMGVR_UViG_3300045988_010288|3300045988|Ga0495776_008175 19334:30667(+)
transcriptional repressor (CDS_0035)
UmuD-like protein (CDS_0034)
endolysin (CDS_0031)
27 28 29 30 32 33 36
MGV-GENOME-0314633 18226:35192(+)
transcriptional repressor (CDS_0032)
UmuD-like protein (CDS_0031)
27 28 29 30 33
IMGVR_UViG_3300045988_014491|3300045988|Ga0495776_185059 18224:32652(+)
transcriptional repressor (CDS_0029)
CDS_0028
CDS_0027 CDS_0030
IMGVR_UViG_3300045988_070925|3300045988|Ga0495776_179415 18283:29984(+)
ABC transporter (CDS_0028)
26 27 29 30 32 31 33 34
MGV-GENOME-0296078 19381:35329(+)
CDS_0026 CDS_0027
MGV-GENOME-0258629 15710:25210(+)
27 28 29 30 31 32 33 34
MGV-GENOME-0281519 19365:32289(+)
transcriptional repressor (CDS_0028)
UmuD-like protein (CDS_0027)
30 35
29 31 32 33 34 36 37 38 39 40 41 42 43 44 45 46 47
IMGVR_UViG_3300045988_045150|3300045988|Ga0495776_159442 18253:43837(+)
transcriptional repressor (CDS_0027)
transcriptional repressor (CDS_0026)
single strand DNA binding protein (CDS_0037)
CDS_0032
CDS_0028 CDS_0033 DNA polymerase (CDS_0038)
MGV-GENOME-0354299 20113:31687(+)
CDS_0029
MGV-GENOME-0267683 20054:29286(+)
CDS_0028 CDS_0030
IMGVR_UViG_3300045988_007440|3300045988|Ga0495776_158012 19633:27912(+)
10000 nt
DNA, RNA and nucleotide metabolism
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
transcription regulation
unknown function
Defence
Virulence