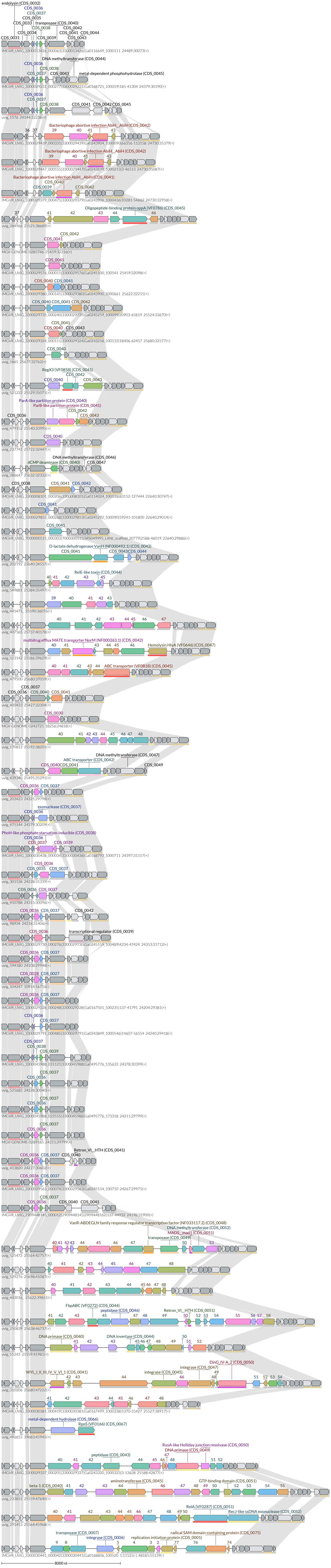
endolysin (CDS_0032)
CDS_0036
CDS_0037
CDS_0035
CDS_0033
transposase (CDS_0040)
CDS_0038
CDS_0042
CDS_0034
CDS_0041
CDS_0044
CDS_0031
CDS_0039
CDS_0043
IMGVR_UViG_3300013426_000063|3300013426|Ga0116649_1000111 24489:30073(+)
DNA methyltransferase (CDS_0044)
CDS_0036
CDS_0038
CDS_0037
CDS_0043
metal-dependent phosphohydrolase (CDS_0045)
IMGVR_UViG_3300029231_000277|3300029231|Ga0168725_100059|185-41304 24379:30190(+)
CDS_0036
CDS_0037
CDS_0038
CDS_0041
CDS_0042
CDS_0045
uvig_1576 24144:32238(+)
Bacteriophage abortive infection AbiH__AbiH (CDS_0042)
36
37
39
40
41
43
IMGVR_UViG_3300029439_000331|3300029439|Ga0243904_1000090|66356-113158 24730:35379(+)
Bacteriophage abortive infection AbiH__AbiH (CDS_0042)
39
40
41
43
IMGVR_UViG_3300029447_000555|3300029447|Ga0243899_1000213|3-46513 24730:35087(+)
Bacteriophage abortive infection AbiH__AbiH (CDS_0041)
CDS_0040
CDS_0039
CDS_0042
IMGVR_UViG_3300029379_000475|3300029379|Ga0243906_1000436|10281-54662 24730:32958(+)
Oligopeptide-binding protein oppA (VF0786) (CDS_0045)
37
41
42
43
44
46
uvig_284966 25525:38689(+)
CDS_0042
CDS_0041
MGV-GENOME-0285746 25459:32216(+)
CDS_0041
IMGVR_UViG_3300029576_000011|3300029576|Ga0245100_100541 25459:32098(+)
CDS_0040
CDS_0041
IMGVR_UViG_3300029380_000141|3300029380|Ga0243900_1000661 25622:32215(+)
CDS_0040
CDS_0041
CDS_0042
IMGVR_UViG_3300029735_000240|3300029735|Ga0245259_100099|20903-65819 25524:33670(+)
CDS_0041
CDS_0040
CDS_0043
IMGVR_UViG_3300029324_000111|3300029324|Ga0243218_100133|18406-62457 25680:32577(+)
CDS_0040
uvig_1865 25677:32762(+)
RegX3 (VF0858) (CDS_0041)
CDS_0042
CDS_0040
CDS_0043
uvig_521222 25529:35071(+)
ParA-like partition protein (CDS_0040)
ParB-like partition protein (CDS_0041)
CDS_0042
CDS_0036
CDS_0043
uvig_479152 25540:33995(+)
CDS_0040
uvig_237741 25722:32447(+)
DNA methyltransferase (CDS_0046)
dCMP deaminase (CDS_0040)
CDS_0047
uvig_286647 25632:32332(+)
CDS_0038
CDS_0041
CDS_0042
IMGVR_UViG_3300008101_000206|3300008101|Ga0114024_100118|83152-127444 22640:30747(+)
CDS_0041
IMGVR_UViG_3300029853_000268|3300029853|Ga0245292_100090|59241-101800 22640:29014(+)
CDS_0041
IMGVR_UViG_7000000515_000303|7000000515|SRS049995_LANL_scaffold_20779|2588-46019 22640:29886(+)
D-lactate dehydrogenase VanH (NF000492.1) (CDS_0042)
CDS_0041
CDS_0043
CDS_0044
uvig_202192 22640:34557(+)
RelE-like toxin (CDS_0044)
40
41
42
43
45
uvig_549881 25384:35497(+)
39
40
41
42
43
uvig_445471_ 25590:36076(+)
40
41
42
43
44
45
46
47
uvig_407565 25737:40178(+)
multidrug efflux MATE transporter NorM (NF000263.1) (CDS_0042)
40
41
43
44
45
46
Hemolysin HlyA (VF0646) (CDS_0047)
uvig_523142 25586:39629(+)
40
41
42
43
44
ABC transporter (VF0818) (CDS_0045)
uvig_479500 25680:37059(+)
CDS_0037
CDS_0036
CDS_0040
CDS_0041
uvig_400433 25427:32304(+)
CDS_0030
MGV-GENOME-0242721 18256:24818(+)
40
41
42
43
44
45
46
47
48
uvig_170812 25592:38201(+)
DNA methyltransferase (CDS_0047)
ABC transporter (CDS_0042)
CDS_0040
CDS_0041
CDS_0049
uvig_439340 25495:35291(+)
CDS_0036
CDS_0037
uvig_203423 24321:29798(+)
exonuclease (CDS_0037)
CDS_0036
uvig_475144 24379:30209(+)
PhoH-like phosphate starvation-inducible (CDS_0038)
CDS_0036
CDS_0037
CDS_0039
IMGVR_UViG_3300030438_000034|3300030438|Ga0168793_1000711 24397:31157(+)
CDS_0036
CDS_0035
CDS_0037
uvig_301538 24228:31339(+)
CDS_0036
CDS_0037
uvig_410788 24315:30096(+)
CDS_0036
CDS_0037
CDS_0042
uvig_98934 24218:31406(+)
CDS_0036
transcriptional regulator (CDS_0039)
IMGVR_UViG_3300029730_000276|3300029730|Ga0245159_100489|4234-47424 24353:31712(+)
CDS_0036
CDS_0037
uvig_594180 24108:29948(+)
CDS_0028
CDS_0027
uvig_104247 10914:16716(-)
CDS_0036
CDS_0037
IMGVR_UViG_3300029228_000248|3300029228|Ga0167501_100235|137-41791 24204:29381(+)
CDS_0036
CDS_0037
IMGVR_UViG_3300029791_000485|3300029791|Ga0243849_1000546|14607-56554 24240:29418(+)
CDS_0037
CDS_0038
CDS_0039
IMGVR_UViG_3300045988_031121|3300045988|Ga0495776_135633 24378:30399(+)
CDS_0037
CDS_0036
uvig_525682 24228:30040(+)
CDS_0037
CDS_0036
IMGVR_UViG_3300045988_022555|3300045988|Ga0495776_173318 24211:29799(+)
CDS_0037
CDS_0036
MGV-GENOME-0289185 24211:29799(+)
Retron_VI__HTH (CDS_0041)
CDS_0036
CDS_0037
CDS_0040
uvig_413820 24227:30602(+)
CDS_0036
CDS_0037
IMGVR_UViG_3300029563_000074|3300029563|Ga0245114_100710 24267:29975(+)
CDS_0037
CDS_0036
CDS_0040
CDS_0041
IMGVR_UViG_2909448145_000012|2909448145|2909448162|137-44932 24198:31900(+)
VanR-ABDEGLN family response regulator transcription factor (NF033117.2) (CDS_0048)
DNA methyltransferase (CDS_0052)
MADS__mad1 (CDS_0051)
transposase (CDS_0049)
40
41
42
43
44
45
46
47
50
53
uvig_525472 25564:42757(+)
40
41
42
43
44
45
46
47
48
uvig_529276 25698:41087(+)
40
41
42
43
44
45
46
47
48
uvig_443016_ 25622:39851(+)
FbpABC (VF0272) (CDS_0044)
peptidase (CDS_0046)
Retron_VI__HTH (CDS_0051)
41
42
43
45
47
48
49
50
52
53
54
55
56
57
58
uvig_250839 25638:46737(+)
DNA primase (CDS_0040)
DNA invertase (CDS_0044)
50
41
42
43
45
46
47
48
49
51
52
uvig_55243 25559:41981(+)
DinG_IV-A_2 (CDS_0050)
integrase (CDS_0047)
WYL_I_II_III_IV_V_VI_1 (CDS_0041)
integrase (CDS_0045)
49
42
43
44
46
48
51
52
53
54
uvig_310206 25680:47222(+)
41
42
43
44
45
46
47
48
IMGVR_UViG_3300030381_000419|3300030381|Ga0167499_1000338|5370-55427 25527:38917(+)
metal-dependent hydrolase (CDS_0066)
RpoS (VF0166) (CDS_0067)
uvig_496655 39683:45945(+)
RusA-like Holliday junction resolvase (CDS_0050)
DNA primase (CDS_0049)
peptidase (CDS_0043)
47
40
41
42
44
45
46
48
51
52
IMGVR_UViG_3300029337_000201|3300029337|Ga0243320_1000323|3-53628 25588:42877(+)
aminotransferase (CDS_0045)
GTP-binding domain (CDS_0051)
beta-1 (CDS_0040)
41
42
43
44
46
47
48
49
50
52
53
54
55
uvig_233855 25559:47640(+)
RelA (VF0287) (CDS_0051)
40
41
42
43
44
45
46
47
48
49
50
RecJ-like ssDNA exonuclease (CDS_0052)
uvig_291453 25564:45968(+)
transposase (CDS_0007)
radical SAM domain-containing protein (CDS_0075)
integrase (CDS_0006)
replication initiation protein (CDS_0001)
9
8
5
4
3
2
77
76
74
IMGVR_UViG_3300030441_000042|3300030441|Ga0168806_100520 1:11525(-), 48185:55139(-)
8000 nt
DNA, RNA and nucleotide metabolism
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Defence
Virulence
AMR