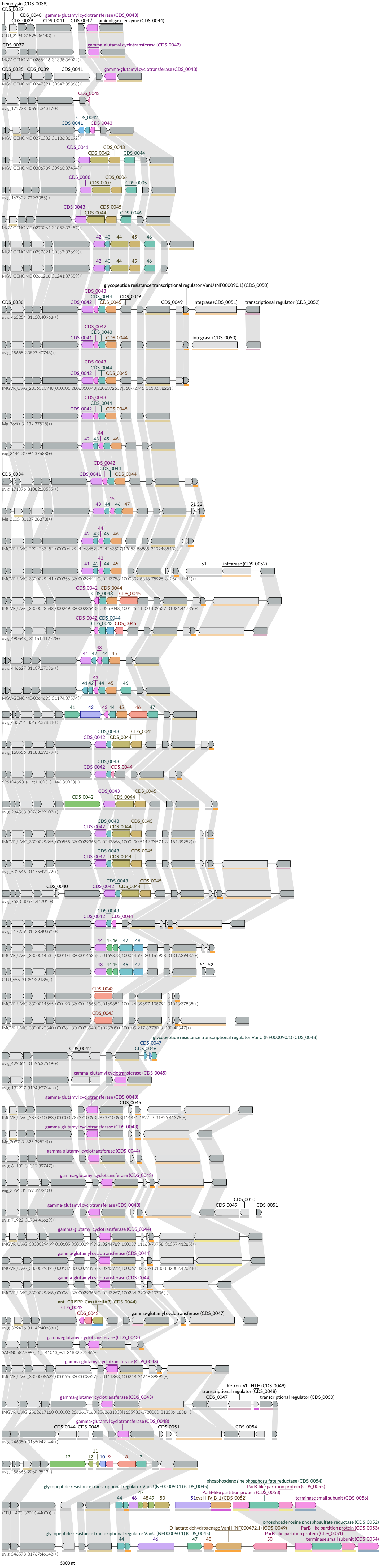
hemolysin (CDS_0038)
CDS_0037
CDS_0040
gamma-glutamyl cyclotransferase (CDS_0043)
CDS_0039
CDS_0041
CDS_0042
amidoligase enzyme (CDS_0044)
OTU_2294 31825:36443(+)
CDS_0037
gamma-glutamyl cyclotransferase (CDS_0042)
MGV-GENOME-0268416 31338:36022(+)
CDS_0035
CDS_0039
CDS_0041
gamma-glutamyl cyclotransferase (CDS_0043)
MGV-GENOME-0247391 30547:35868(+)
CDS_0043
uvig_175738 30961:34317(+)
CDS_0042
CDS_0041
CDS_0043
MGV-GENOME-0271332 31186:36192(+)
CDS_0041
CDS_0043
CDS_0042
CDS_0044
MGV-GENOME-0306789 30960:37494(+)
CDS_0008
CDS_0006
CDS_0007
CDS_0005
uvig_167602 779:7385(-)
CDS_0043
CDS_0045
CDS_0044
CDS_0046
MGV-GENOME-0270064 31053:37457(+)
42 43 44 45 46
MGV-GENOME-0257621 30367:37669(+)
42 43 44 45 46
MGV-GENOME-0261218 31241:37559(+)
glycopeptide resistance transcriptional regulator VanU (NF000090.1) (CDS_0050)
CDS_0043
CDS_0044
CDS_0046
CDS_0036
CDS_0042
CDS_0045
CDS_0049
integrase (CDS_0051)
transcriptional regulator (CDS_0052)
uvig_465254 31150:40968(+)
CDS_0042
CDS_0043
CDS_0041
CDS_0044
integrase (CDS_0050)
uvig_45685 30897:40748(+)
CDS_0043
CDS_0044
CDS_0042
CDS_0045
IMGVR_UViG_2806310948_000001|2806310948|2806372609|560-72745 31132:38261(+)
CDS_0043
CDS_0044
CDS_0042
CDS_0045
ivig_3660 31132:37528(+)
44
42 43 45 46
ivig_2144 31094:37688(+)
CDS_0042
CDS_0043
CDS_0034
CDS_0041
CDS_0044
uvig_171076 31082:38555(+)
45
43 44 46 47
51 52
ivig_2105 31137:38878(+)
44
42 43 45 46
IMGVR_UViG_2924263452_000004|2924263452|2924263527|19083-86885 31094:38403(+)
43
41 42 44 45
51
integrase (CDS_0052)
IMGVR_UViG_3300029441_000356|3300029441|Ga0243753_1000309|8318-78925 31050:41441(+)
CDS_0042
CDS_0044
CDS_0043
CDS_0045
IMGVR_UViG_3300023543_000249|3300023543|Ga0257048_100125|41500-109627 31081:41735(+)
CDS_0042
CDS_0044
CDS_0043
CDS_0045
uvig_490648_ 31161:41272(+)
43
41 42 44 45
uvig_446627 31107:37086(+)
43
41 42 44 45 46
MGV-GENOME-0264693 31174:37574(+)
41 42 43 44 45 46 47
uvig_433754 30462:37884(+)
CDS_0043
CDS_0045
CDS_0042
CDS_0044
uvig_160556 31188:39279(+)
CDS_0043
CDS_0042
CDS_0044
SRS104693_a1_ct11803 31146:38023(+)
CDS_0043
CDS_0045
CDS_0042
CDS_0044
uvig_284568 30762:39007(+)
CDS_0043
CDS_0045
CDS_0042
CDS_0044
IMGVR_UViG_3300029365_000555|3300029365|Ga0243866_1000400|5142-74571 31184:39252(+)
CDS_0043
CDS_0045
CDS_0042
CDS_0044
uvig_502546 31175:42172(+)
CDS_0043
CDS_0045
CDS_0040
CDS_0042
CDS_0044
uvig_7523 30571:41701(+)
CDS_0043
CDS_0042
CDS_0044
uvig_517209 31138:40391(+)
44 45 46 47 48
IMGVR_UViG_3300014535_000104|3300014535|Ga0169873_100044|97520-165928 31317:39437(+)
43 44 45 46 47
51 52
OTU_656 31051:39185(+)
CDS_0043
IMGVR_UViG_3300014565_000190|3300014565|Ga0169881_100124|39697-108791 31043:37838(+)
CDS_0043
IMGVR_UViG_3300023540_000261|3300023540|Ga0257050_100105|217-67780 31130:40547(+)
glycopeptide resistance transcriptional regulator VanU (NF000090.1) (CDS_0048)
CDS_0047
CDS_0042
CDS_0046
uvig_429061 31596:37519(+)
gamma-glutamyl cyclotransferase (CDS_0045)
uvig_132207 31943:37641(+)
gamma-glutamyl cyclotransferase (CDS_0043)
CDS_0045
IMGVR_UViG_2873710093_000003|2873710093|2873710093|114871-182753 31825:41378(+)
gamma-glutamyl cyclotransferase (CDS_0043)
ivig_2097 31825:39824(+)
gamma-glutamyl cyclotransferase (CDS_0044)
uvig_61180 31312:39747(+)
gamma-glutamyl cyclotransferase (CDS_0043)
ivig_2554 31359:39921(+)
CDS_0050
gamma-glutamyl cyclotransferase (CDS_0043)
CDS_0049
CDS_0051
uvig_71922 31784:41689(+)
gamma-glutamyl cyclotransferase (CDS_0044)
IMGVR_UViG_3300029499_000105|3300029499|Ga0244789_100087|11163-79758 31357:41285(+)
gamma-glutamyl cyclotransferase (CDS_0044)
IMGVR_UViG_3300029395_000132|3300029395|Ga0243972_100067|32507-101008 32002:42024(+)
gamma-glutamyl cyclotransferase (CDS_0044)
IMGVR_UViG_3300029368_000061|3300029368|Ga0243967_100234 32002:40736(+)
anti-CRISPR-Cas (AcrIIA3) (CDS_0044)
CDS_0042
CDS_0043
gamma-glutamyl cyclotransferase (CDS_0047)
uvig_329476 31149:40888(+)
gamma-glutamyl cyclotransferase (CDS_0043)
SAMN05827090_a1_ct41013_vs1 31832:37246(+)
gamma-glutamyl cyclotransferase (CDS_0043)
IMGVR_UViG_3300008622_000196|3300008622|Ga0111363_100248 31249:39892(+)
Retron_VI__HTH (CDS_0049)
transcriptional regulator (CDS_0048)
gamma-glutamyl cyclotransferase (CDS_0043)
CDS_0047
transcriptional regulator (CDS_0050)
IMGVR_UViG_2562617160_000002|2562617160|2562631003|1655933-1720080 31359:41888(+)
gamma-glutamyl cyclotransferase (CDS_0048)
CDS_0044
CDS_0045
CDS_0051
CDS_0054
uvig_246350 31650:42144(+)
11
13 12 10 9 8 7
uvig_258665 2060:9513(-)
phosphoadenosine phosphosulfate reductase (CDS_0054)
glycopeptide resistance transcriptional regulator VanU (NF000090.1) (CDS_0045)
ParB-like partition protein (CDS_0055)
47
ParB-like partition protein (CDS_0053)
44 46 48 49 50
51cysH_IV-B_1 (CDS_0052)
terminase small subunit (CDS_0056)
OTU_1473 32016:44000(+)
phosphoadenosine phosphosulfate reductase (CDS_0052)
D-lactate dehydrogenase VanH (NF000492.1) (CDS_0049)
ParB-like partition protein (CDS_0053)
glycopeptide resistance transcriptional regulator VanU (NF000090.1) (CDS_0045)
ParB-like partition protein (CDS_0051)
44 46 47 48 50
terminase small subunit (CDS_0054)
uvig_546578 31767:46142(+)
5000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Defence
Anti-defence
AMR