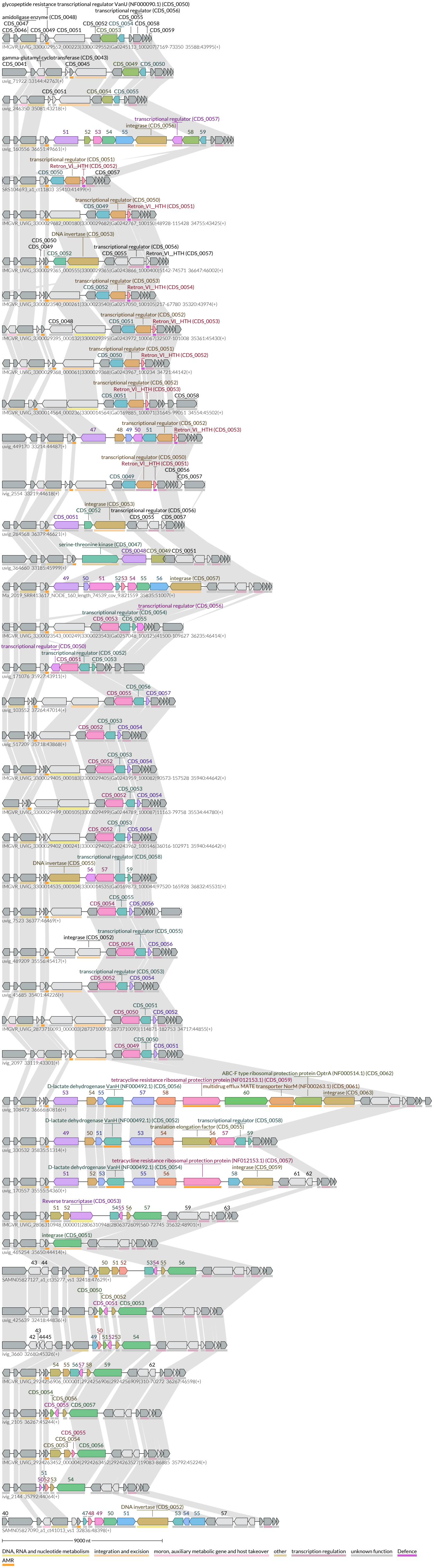
glycopeptide resistance transcriptional regulator VanU (NF000090.1) (CDS_0050)
transcriptional regulator (CDS_0056)
amidoligase enzyme (CDS_0048)
CDS_0055
CDS_0047
CDS_0052 CDS_0054 CDS_0058
CDS_0046 CDS_0049 CDS_0051 CDS_0053 CDS_0059
IMGVR_UViG_3300029552_000223|3300029552|Ga0245113_100207|7169-73350 35588:43995(+)
gamma-glutamyl cyclotransferase (CDS_0043)
CDS_0041 CDS_0045 CDS_0049 CDS_0050
uvig_71922 33144:42763(+)
CDS_0051 CDS_0054 CDS_0055
uvig_246350 35081:43218(+)
transcriptional regulator (CDS_0057)
integrase (CDS_0056)
51 52 53 54 55 58 59
uvig_160556 36651:49661(+)
transcriptional regulator (CDS_0051)
Retron_VI__HTH (CDS_0052)
CDS_0050 CDS_0057
SRS104693_a1_ct11803 35410:41499(+)
transcriptional regulator (CDS_0050)
CDS_0049 Retron_VI__HTH (CDS_0051)
IMGVR_UViG_3300029682_000180|3300029682|Ga0242767_100150|48928-115428 34755:43425(+)
DNA invertase (CDS_0053)
CDS_0050
CDS_0049 transcriptional regulator (CDS_0056)
CDS_0052 CDS_0055 Retron_VI__HTH (CDS_0057)
IMGVR_UViG_3300029365_000555|3300029365|Ga0243866_1000400|5142-74571 36647:46002(+)
transcriptional regulator (CDS_0053)
CDS_0052 Retron_VI__HTH (CDS_0054)
IMGVR_UViG_3300023540_000261|3300023540|Ga0257050_100105|217-67780 35320:43974(+)
transcriptional regulator (CDS_0052)
CDS_0048 CDS_0051 Retron_VI__HTH (CDS_0053)
IMGVR_UViG_3300029395_000132|3300029395|Ga0243972_100067|32507-101008 35361:45430(+)
transcriptional regulator (CDS_0051)
CDS_0050 Retron_VI__HTH (CDS_0052)
IMGVR_UViG_3300029368_000061|3300029368|Ga0243967_100234 34721:44142(+)
transcriptional regulator (CDS_0052)
Retron_VI__HTH (CDS_0053)
CDS_0051 CDS_0058
IMGVR_UViG_3300014564_000236|3300014564|Ga0169885_100071|31645-99051 34554:45502(+)
transcriptional regulator (CDS_0052)
47 48 49 50 51 Retron_VI__HTH (CDS_0053)
uvig_449170 33214:44487(+)
transcriptional regulator (CDS_0050)
Retron_VI__HTH (CDS_0051)
CDS_0056
CDS_0049 CDS_0057
ivig_2554 33219:44618(+)
integrase (CDS_0053)
CDS_0052 transcriptional regulator (CDS_0056)
CDS_0051 CDS_0055 CDS_0057
uvig_284568 36379:46621(+)
serine-threonine kinase (CDS_0047)
CDS_0048 CDS_0049 CDS_0051
uvig_364660 33185:45999(+)
49 50 51 52 53 54 55 56 integrase (CDS_0057)
Ma_2019_SRR413617_NODE_160_length_74539_cov_9.821559 35835:51007(+)
transcriptional regulator (CDS_0056)
transcriptional regulator (CDS_0054)
CDS_0053 CDS_0055
IMGVR_UViG_3300023543_000249|3300023543|Ga0257048_100125|41500-109627 36235:46414(+)
transcriptional regulator (CDS_0050)
transcriptional regulator (CDS_0052)
CDS_0051 CDS_0053
uvig_171076 35927:43911(+)
CDS_0056
CDS_0055 CDS_0057
uvig_103552 37264:47014(+)
CDS_0053
CDS_0052 CDS_0054
uvig_517209 35718:43868(+)
CDS_0053
CDS_0052 CDS_0054
IMGVR_UViG_3300029405_000183|3300029405|Ga0243959_100082|90573-157528 35940:44642(+)
CDS_0053
CDS_0052 CDS_0054
IMGVR_UViG_3300029499_000105|3300029499|Ga0244789_100087|11163-79758 35534:44780(+)
CDS_0053
CDS_0052 CDS_0054
IMGVR_UViG_3300029402_000241|3300029402|Ga0243962_100146|36016-102971 35940:44642(+)
transcriptional regulator (CDS_0058)
DNA invertase (CDS_0055)
56 57 59
IMGVR_UViG_3300014535_000104|3300014535|Ga0169873_100044|97520-165928 36832:45531(+)
CDS_0055
CDS_0054 CDS_0056
uvig_7523 36377:46469(+)
transcriptional regulator (CDS_0055)
integrase (CDS_0052)
CDS_0054 CDS_0056
uvig_489209 35556:45417(+)
transcriptional regulator (CDS_0053)
CDS_0052 CDS_0054
uvig_45685 35401:44226(+)
CDS_0051
CDS_0050 CDS_0052
IMGVR_UViG_2873710093_000003|2873710093|2873710093|114871-182753 34717:44855(+)
CDS_0050
CDS_0049 CDS_0051
ivig_2097 33119:43301(+)
ABC-F type ribosomal protection protein OptrA (NF000514.1) (CDS_0062)
tetracycline resistance ribosomal protection protein (NF012153.1) (CDS_0059)
D-lactate dehydrogenase VanH (NF000492.1) (CDS_0056)
multidrug efflux MATE transporter NorM (NF000263.1) (CDS_0061)
53 54 55 57 58 60 integrase (CDS_0063)
uvig_108472 36666:60816(+)
D-lactate dehydrogenase VanH (NF000492.1) (CDS_0052)
transcriptional regulator (CDS_0058)
translation elongation factor (CDS_0055)
49 50 51 53 54 56 57 59
uvig_330532 35835:51314(+)
tetracycline resistance ribosomal protection protein (NF012153.1) (CDS_0057)
D-lactate dehydrogenase VanH (NF000492.1) (CDS_0054)
integrase (CDS_0059)
51 52 53 55 56 58 61 62
uvig_170557 35555:54360(+)
Reverse transcriptase (CDS_0053)
51 52 54 55 56 57 59 63
IMGVR_UViG_2806310948_000001|2806310948|2806372609|560-72745 35632:48901(+)
integrase (CDS_0051)
uvig_465254 35650:44414(+)
43 44 50 51 52 53 54 55 56
SAMN05827127_a1_ct35277_vs1 32418:47629(+)
CDS_0050
CDS_0052
CDS_0051 CDS_0053
uvig_425639 32418:44836(+)
43
42 44 45 50 49 51 52 53 54
ivig_3660 32680:45326(+)
54 55 56 57 58 59 62
IMGVR_UViG_2924256906_000001|2924256906|2924256909|310-70272 36267:46598(+)
CDS_0054
CDS_0056
CDS_0055 CDS_0057
ivig_2105 36267:45244(+)
CDS_0055
CDS_0054
CDS_0053 CDS_0056
IMGVR_UViG_2924263452_000004|2924263452|2924263527|19083-86885 35792:45224(+)
51
50 52 53 54
ivig_2144 35792:44064(+)
DNA invertase (CDS_0052)
40 47 48 49 50 51 53 54 55 57
SAMN05827090_a1_ct41013_vs1 32836:48398(+)
9000 nt
DNA, RNA and nucleotide metabolism
integration and excision
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Defence
AMR