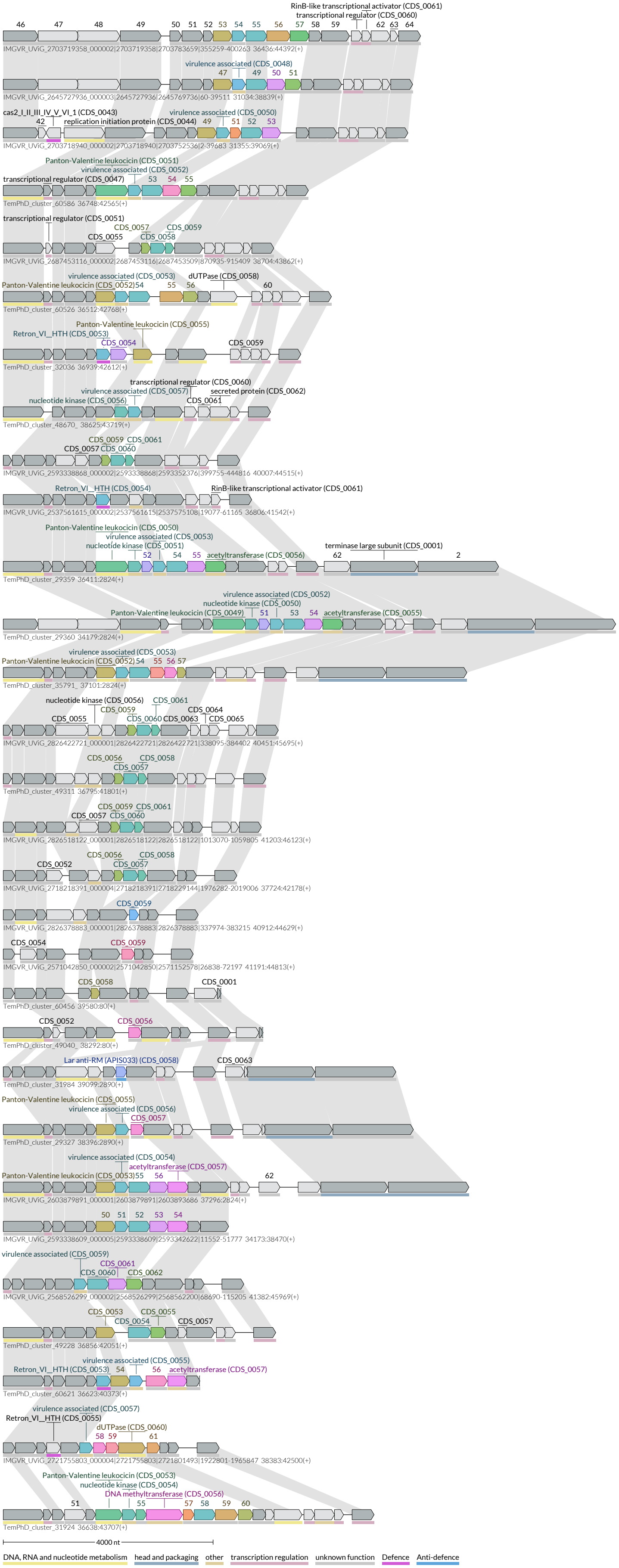
RinB-like transcriptional activator (CDS_0061)
transcriptional regulator (CDS_0060)
46 47 48 49 50 51 52 53 54 55 56 57 58 59 62 63 64
IMGVR_UViG_2703719358_000002|2703719358|2703783659|355259-400263 36436:44392(+)
virulence associated (CDS_0048)
47 49 50 51
IMGVR_UViG_2645727936_000003|2645727936|2645769736|60-39511 31034:38839(+)
cas2_I_II_III_IV_V_VI_1 (CDS_0043)
virulence associated (CDS_0050)
42
replication initiation protein (CDS_0044)
49 51 52 53
IMGVR_UViG_2703718940_000002|2703718940|2703752536|2-39683 31355:39069(+)
Panton-Valentine leukocicin (CDS_0051)
virulence associated (CDS_0052)
transcriptional regulator (CDS_0047)
53 54 55
TemPhD_cluster_60586 36748:42565(+)
transcriptional regulator (CDS_0051)
CDS_0057
CDS_0059
CDS_0055
CDS_0058
IMGVR_UViG_2687453116_000002|2687453116|2687453509|870935-915409 38704:43862(+)
virulence associated (CDS_0053)
dUTPase (CDS_0058)
Panton-Valentine leukocicin (CDS_0052) 54 55 56 60
TemPhD_cluster_60526 36512:42768(+)
Panton-Valentine leukocicin (CDS_0055)
Retron_VI__HTH (CDS_0053)
CDS_0054
CDS_0059
TemPhD_cluster_32036 36939:42612(+)
transcriptional regulator (CDS_0060)
virulence associated (CDS_0057)
secreted protein (CDS_0062)
nucleotide kinase (CDS_0056)
CDS_0061
TemPhD_cluster_48670_ 38625:43719(+)
CDS_0059 CDS_0061
CDS_0057 CDS_0060
IMGVR_UViG_2593338868_000002|2593338868|2593352376|399755-444816 40007:44515(+)
Retron_VI__HTH (CDS_0054)
RinB-like transcriptional activator (CDS_0061)
IMGVR_UViG_2537561615_000002|2537561615|2537575108|19077-61165 36806:41542(+)
Panton-Valentine leukocicin (CDS_0050)
virulence associated (CDS_0053)
nucleotide kinase (CDS_0051)
terminase large subunit (CDS_0001)
52 54 55 acetyltransferase (CDS_0056) 62 2
TemPhD_cluster_29359 36411:2824(+)
virulence associated (CDS_0052)
nucleotide kinase (CDS_0050)
Panton-Valentine leukocicin (CDS_0049) 51 53 54 acetyltransferase (CDS_0055)
TemPhD_cluster_29360 34179:2824(+)
virulence associated (CDS_0053)
Panton-Valentine leukocicin (CDS_0052) 54 55 56 57
TemPhD_cluster_35791_ 37101:2824(+)
nucleotide kinase (CDS_0056)
CDS_0061
CDS_0059
CDS_0064
CDS_0055
CDS_0060 CDS_0063
CDS_0065
IMGVR_UViG_2826422721_000001|2826422721|2826422721|338095-384402 40451:45695(+)
CDS_0056
CDS_0058
CDS_0057
TemPhD_cluster_49311 36795:41801(+)
CDS_0059 CDS_0061
CDS_0057 CDS_0060
IMGVR_UViG_2826518122_000001|2826518122|2826518122|1013070-1059805 41203:46123(+)
CDS_0056
CDS_0058
CDS_0052
CDS_0057
IMGVR_UViG_2718218391_000004|2718218391|2718229144|1976282-2019006 37724:42178(+)
CDS_0059
IMGVR_UViG_2826378883_000001|2826378883|2826378883|337974-383215 40912:44629(+)
CDS_0054
CDS_0059
IMGVR_UViG_2571042850_000002|2571042850|2571152578|26838-72197 41191:44813(+)
CDS_0058
CDS_0001
TemPhD_cluster_60456 39580:80(+)
CDS_0052
CDS_0056
TemPhD_cluster_49040_ 38292:80(+)
Lar anti-RM (APIS033) (CDS_0058)
CDS_0063
TemPhD_cluster_31984 39099:2890(+)
Panton-Valentine leukocicin (CDS_0055)
virulence associated (CDS_0056)
CDS_0057
TemPhD_cluster_29327 38396:2890(+)
virulence associated (CDS_0054)
acetyltransferase (CDS_0057)
Panton-Valentine leukocicin (CDS_0053) 55 56 62
IMGVR_UViG_2603879891_000001|2603879891|2603893686 37296:2824(+)
50 51 52 53 54
IMGVR_UViG_2593338609_000005|2593338609|2593342622|11552-51777 34173:38470(+)
virulence associated (CDS_0059)
CDS_0061
CDS_0060
CDS_0062
IMGVR_UViG_2568526299_000002|2568526299|2568562200|68690-115205 41382:45969(+)
CDS_0053
CDS_0055
CDS_0054
CDS_0057
TemPhD_cluster_49228 36856:42051(+)
virulence associated (CDS_0055)
Retron_VI__HTH (CDS_0053) 54 56 acetyltransferase (CDS_0057)
TemPhD_cluster_60621 36623:40373(+)
virulence associated (CDS_0057)
Retron_VI__HTH (CDS_0055)
dUTPase (CDS_0060)
58 59 61
IMGVR_UViG_2721755803_000004|2721755803|2721801493|1922801-1965847 38383:42500(+)
Panton-Valentine leukocicin (CDS_0053)
nucleotide kinase (CDS_0054)
DNA methyltransferase (CDS_0056)
51 55 57 58 59 60
TemPhD_cluster_31924 36638:43707(+)
4000 nt
DNA, RNA and nucleotide metabolism
head and packaging
other
transcription regulation
unknown function
Defence
Anti-defence