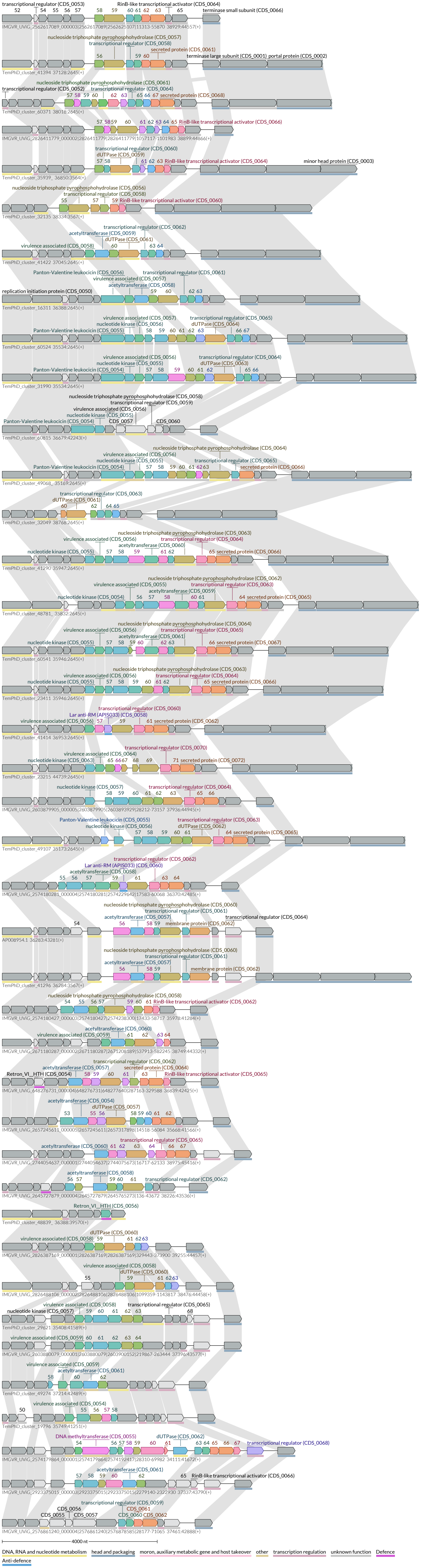
transcriptional regulator (CDS_0053)
RinB-like transcriptional activator (CDS_0064)
terminase small subunit (CDS_0066)
IMGVR_UViG_2562617089_000003|2562617089|2562625107|11313-55870 38929:44557(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0057)
transcriptional regulator (CDS_0058)
secreted protein (CDS_0061)
terminase large subunit (CDS_0001) portal protein (CDS_0002)
TemPhD_cluster_41394 37128:2645(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0061)
transcriptional regulator (CDS_0052)
transcriptional regulator (CDS_0064)
secreted protein (CDS_0068)
TemPhD_cluster_60371 38018:2645(+)
RinB-like transcriptional activator (CDS_0066)
IMGVR_UViG_2826411779_000002|2826411779|2826411779|1057117-1101983 38899:44866(+)
transcriptional regulator (CDS_0060)
dUTPase (CDS_0059)
RinB-like transcriptional activator (CDS_0064)
minor head protein (CDS_0003)
TemPhD_cluster_35939_ 36850:3564(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0056)
transcriptional regulator (CDS_0058)
RinB-like transcriptional activator (CDS_0060)
TemPhD_cluster_32135 38334:3567(+)
transcriptional regulator (CDS_0062)
acetyltransferase (CDS_0059)
dUTPase (CDS_0061)
virulence associated (CDS_0058)
TemPhD_cluster_41422 37045:2645(+)
Panton-Valentine leukocicin (CDS_0056)
transcriptional regulator (CDS_0061)
virulence associated (CDS_0057)
acetyltransferase (CDS_0058)
replication initiation protein (CDS_0050)
TemPhD_cluster_16311 36388:2645(+)
virulence associated (CDS_0057)
transcriptional regulator (CDS_0065)
nucleotide kinase (CDS_0056)
dUTPase (CDS_0064)
Panton-Valentine leukocicin (CDS_0055)
TemPhD_cluster_60524 35534:2645(+)
virulence associated (CDS_0056)
transcriptional regulator (CDS_0064)
nucleotide kinase (CDS_0055)
dUTPase (CDS_0063)
Panton-Valentine leukocicin (CDS_0054)
TemPhD_cluster_31990 35534:2645(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0058)
transcriptional regulator (CDS_0059)
virulence associated (CDS_0056)
nucleotide kinase (CDS_0055)
Panton-Valentine leukocicin (CDS_0054)
CDS_0057
CDS_0060
TemPhD_cluster_60815 36679:42243(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0064)
virulence associated (CDS_0056)
transcriptional regulator (CDS_0065)
nucleotide kinase (CDS_0055)
Panton-Valentine leukocicin (CDS_0054)
secreted protein (CDS_0066)
TemPhD_cluster_49068_ 35169:2645(+)
transcriptional regulator (CDS_0063)
dUTPase (CDS_0061)
TemPhD_cluster_32049 38768:2645(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0063)
virulence associated (CDS_0056)
transcriptional regulator (CDS_0064)
acetyltransferase (CDS_0060)
nucleotide kinase (CDS_0055)
secreted protein (CDS_0066)
TemPhD_cluster_41290 35947:2645(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0062)
virulence associated (CDS_0055)
transcriptional regulator (CDS_0063)
acetyltransferase (CDS_0059)
nucleotide kinase (CDS_0054)
secreted protein (CDS_0065)
TemPhD_cluster_48781_ 35832:2645(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0064)
virulence associated (CDS_0056)
transcriptional regulator (CDS_0065)
acetyltransferase (CDS_0061)
nucleotide kinase (CDS_0055)
secreted protein (CDS_0067)
TemPhD_cluster_60541 35946:2645(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0063)
virulence associated (CDS_0056)
transcriptional regulator (CDS_0064)
nucleotide kinase (CDS_0055)
secreted protein (CDS_0066)
TemPhD_cluster_23411 35946:2645(+)
transcriptional regulator (CDS_0060)
Lar anti-RM (APIS033) (CDS_0058)
virulence associated (CDS_0056)
secreted protein (CDS_0062)
TemPhD_cluster_41414 36953:2645(+)
transcriptional regulator (CDS_0070)
virulence associated (CDS_0064)
nucleotide kinase (CDS_0063)
secreted protein (CDS_0072)
TemPhD_cluster_23215 44739:2645(+)
nucleotide kinase (CDS_0057)
transcriptional regulator (CDS_0064)
IMGVR_UViG_2603879905_000005|2603879905|2603893929|28212-73157 37936:44945(+)
Panton-Valentine leukocicin (CDS_0055)
transcriptional regulator (CDS_0063)
nucleotide kinase (CDS_0056)
dUTPase (CDS_0062)
secreted protein (CDS_0065)
TemPhD_cluster_49107 35173:2645(+)
transcriptional regulator (CDS_0062)
Lar anti-RM (APIS033) (CDS_0060)
acetyltransferase (CDS_0058)
IMGVR_UViG_2574180281_000004|2574180281|2574229642|17583-60068 36370:42485(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0060)
transcriptional regulator (CDS_0061)
acetyltransferase (CDS_0057)
transcriptional regulator (CDS_0064)
membrane protein (CDS_0062)
AP008954.1 36283:43281(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0060)
transcriptional regulator (CDS_0061)
acetyltransferase (CDS_0057)
membrane protein (CDS_0062)
TemPhD_cluster_41296 36284:3567(+)
nucleoside triphosphate pyrophosphohydrolase (CDS_0058)
RinB-like transcriptional activator (CDS_0062)
IMGVR_UViG_2574180427_000003|2574180427|2574238300|17433-58717 35978:41284(+)
acetyltransferase (CDS_0060)
virulence associated (CDS_0059)
IMGVR_UViG_2671180287_000002|2671180287|2671208189|537913-582245 38749:44332(+)
transcriptional regulator (CDS_0062)
acetyltransferase (CDS_0057)
secreted protein (CDS_0064)
Retron_VI_HTH (CDS_0054)
RinB-like transcriptional activator (CDS_0065)
IMGVR_UViG_648276731_000004|648276731|648277640|287163-329588 36839:42425(+)
acetyltransferase (CDS_0054)
dUTPase (CDS_0057)
IMGVR_UViG_2657245611_000005|2657245611|2657317898|14518-56084 35668:41566(+)
transcriptional regulator (CDS_0065)
acetyltransferase (CDS_0060)
IMGVR_UViG_2744054637_000001|2744054637|2744075673|16717-62133 38975:45416(+)
acetyltransferase (CDS_0058)
transcriptional regulator (CDS_0062)
IMGVR_UViG_2645727879_000004|2645727879|2645765273|136-43672 38226:43536(+)
Retron_VI_HTH (CDS_0056)
TemPhD_cluster_48839_ 36388:39570(+)
dUTPase (CDS_0060)
virulence associated (CDS_0058)
IMGVR_UViG_2826387169_000001|2826387169|2826387169|329443-373900 39255:44457(+)
virulence associated (CDS_0058)
dUTPase (CDS_0060)
IMGVR_UViG_2826488106_000002|2826488106|2826488106|1099359-1143817 38476:44458(+)
virulence associated (CDS_0058)
transcriptional regulator (CDS_0065)
nucleotide kinase (CDS_0057)
TemPhD_cluster_29621 35408:41589(+)
virulence associated (CDS_0059)
IMGVR_UViG_2603880079_000001|2603880079|2603900152|219867-263444 37396:43577(+)
virulence associated (CDS_0059)
acetyltransferase (CDS_0061)
TemPhD_cluster_49274 37214:42489(+)
virulence associated (CDS_0054)
TemPhD_cluster_19796 35749:41251(+)
DNA methyltransferase (CDS_0055)
dUTPase (CDS_0062)
transcriptional regulator (CDS_0068)
IMGVR_UViG_2574179864_000001|2574179864|2574192417|28310-69982 34111:41672(+)
acetyltransferase (CDS_0061)
RinB-like transcriptional activator (CDS_0066)
IMGVR_UViG_2923375015_000003|2923375015|2923375015|2279140-2322930 37337:43790(+)
transcriptional regulator (CDS_0059)
CDS_0056
CDS_0061
CDS_0055
CDS_0057
CDS_0060
CDS_0062
IMGVR_UViG_2576861240_000004|2576861240|2576878585|28177-71065 37461:42888(+)
4000 nt
DNA, RNA and nucleotide metabolism
head and packaging
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Defence
Anti-defence