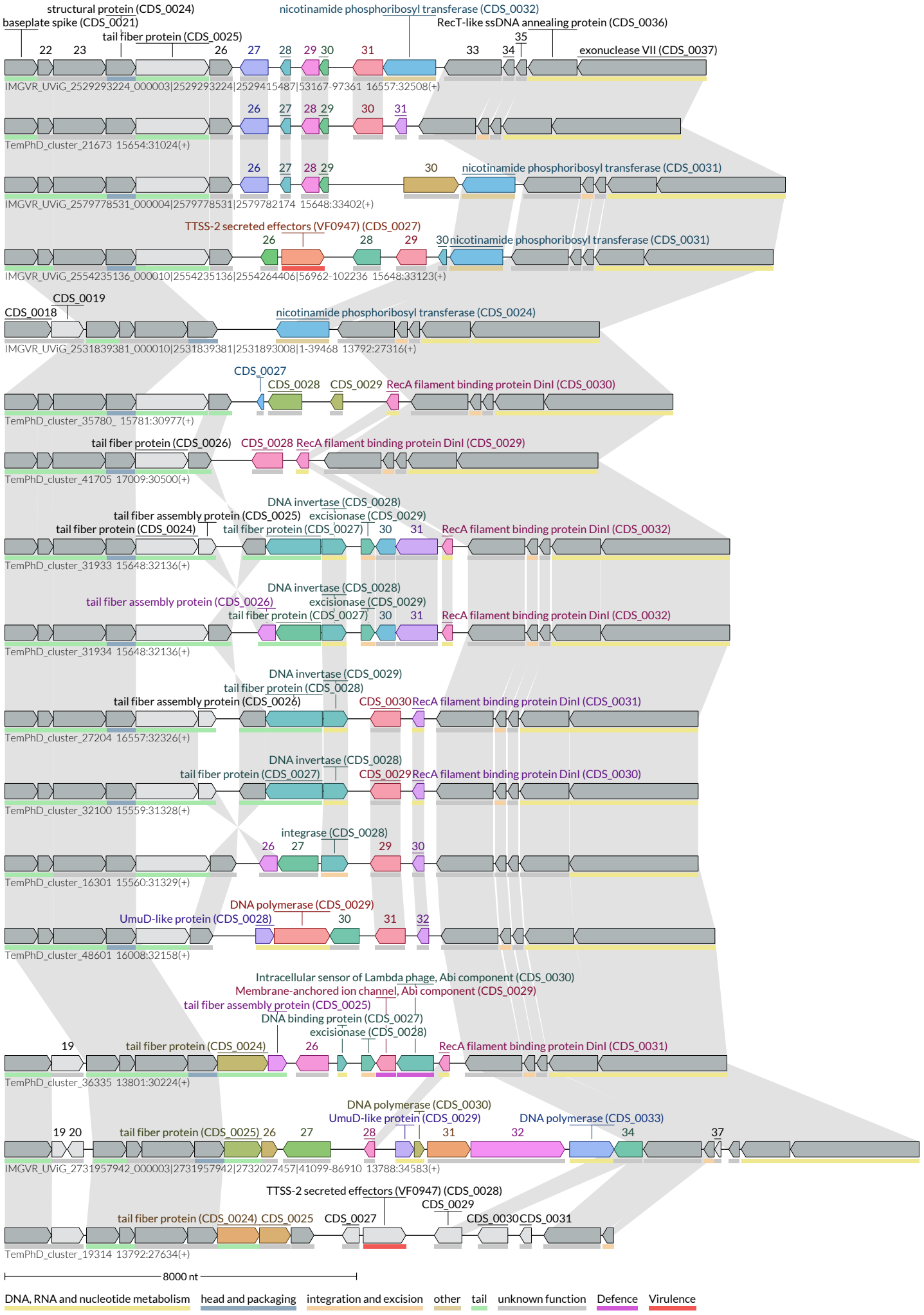
structural protein (CDS_0024)
baseplate spike (CDS_0021)
tail fiber protein (CDS_0025)
nicotinamide phosphoribosyl transferase (CDS_0032)
RecT-like ssDNA annealing protein (CDS_0036)
exonuclease VII (CDS_0037)
22 23 26 27 28 29 30 31 33 34 35
IMGVR_UViG_2529293224_000003|2529293224|2529415487|53167-97361 16557:32508(+)
26 27 28 29 30 31
TemPhD_cluster_21673 15654:31024(+)
26 27 28 29 30
nicotinamide phosphoribosyl transferase (CDS_0031)
IMGVR_UViG_2579778531_000004|2579778531|2579782174 15648:33402(+)
TTSS-2 secreted effectors (VF0947) (CDS_0027)
26 28 29 30
nicotinamide phosphoribosyl transferase (CDS_0031)
IMGVR_UViG_2554235136_000010|2554235136|2554264406|56962-102236 15648:33123(+)
CDS_0019
CDS_0018
nicotinamide phosphoribosyl transferase (CDS_0024)
IMGVR_UViG_2531839381_000010|2531839381|2531893008|1-39468 13792:27316(+)
CDS_0027
CDS_0028 CDS_0029 RecA filament binding protein DinI (CDS_0030)
TemPhD_cluster_35780_ 15781:30977(+)
tail fiber protein (CDS_0026) CDS_0028 RecA filament binding protein DinI (CDS_0029)
TemPhD_cluster_41705 17009:30500(+)
DNA invertase (CDS_0028)
tail fiber assembly protein (CDS_0025) excisionase (CDS_0029)
tail fiber protein (CDS_0024) tail fiber protein (CDS_0027) 30 31 RecA filament binding protein DinI (CDS_0032)
TemPhD_cluster_31933 15648:32136(+)
DNA invertase (CDS_0028)
tail fiber assembly protein (CDS_0026) excisionase (CDS_0029)
tail fiber protein (CDS_0027) 30 31 RecA filament binding protein DinI (CDS_0032)
TemPhD_cluster_31934 15648:32136(+)
DNA invertase (CDS_0029)
tail fiber protein (CDS_0028)
tail fiber assembly protein (CDS_0026) CDS_0030 RecA filament binding protein DinI (CDS_0031)
TemPhD_cluster_27204 16557:32326(+)
DNA invertase (CDS_0028)
tail fiber protein (CDS_0027) CDS_0029 RecA filament binding protein DinI (CDS_0030)
TemPhD_cluster_32100 15559:31328(+)
integrase (CDS_0028)
26 27 29 30
TemPhD_cluster_16301 15560:31329(+)
DNA polymerase (CDS_0029)
UmuD-like protein (CDS_0028) 30 31 32
TemPhD_cluster_48601 16008:32158(+)
Intracellular sensor of Lambda phage, Abi component (CDS_0030)
Membrane-anchored ion channel, Abi component (CDS_0029)
tail fiber assembly protein (CDS_0025)
DNA binding protein (CDS_0027)
excisionase (CDS_0028)
19 tail fiber protein (CDS_0024) 26 RecA filament binding protein DinI (CDS_0031)
TemPhD_cluster_36335 13801:30224(+)
DNA polymerase (CDS_0030)
UmuD-like protein (CDS_0029) DNA polymerase (CDS_0033)
19 20 tail fiber protein (CDS_0025) 26 27 28 31 32 34 37
IMGVR_UViG_2731957942_000003|2731957942|2732027457|41099-86910 13788:34583(+)
TTSS-2 secreted effectors (VF0947) (CDS_0028)
CDS_0029
tail fiber protein (CDS_0024) CDS_0025 CDS_0027 CDS_0030 CDS_0031
TemPhD_cluster_19314 13792:27634(+)
8000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
other
tail
unknown function
Defence
Virulence