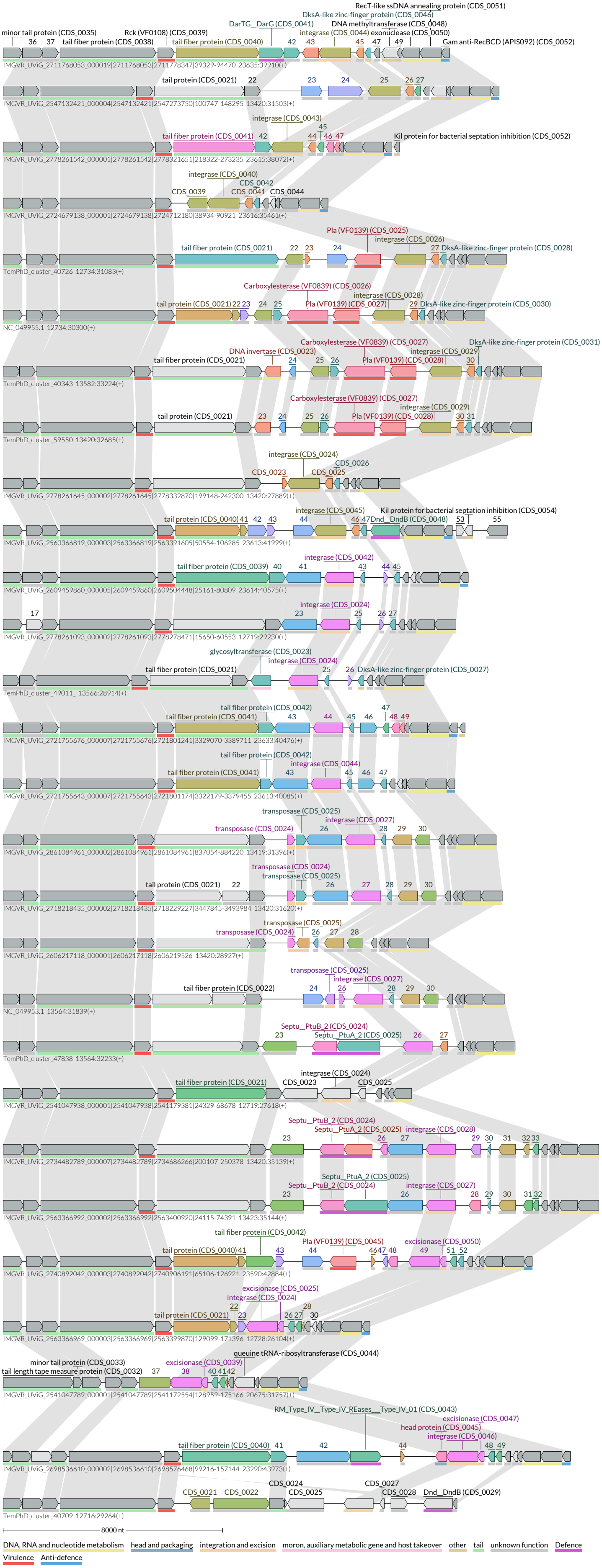
RecT-like ssDNA annealing protein (CDS_0051)
DksA-like zinc-finger protein (CDS_0046)
DarTG__DarG (CDS_0041)
DNA methyltransferase (CDS_0048)
minor tail protein (CDS_0035)
Rck (VF0108) (CDS_0039)
integrase (CDS_0044)
exonuclease (CDS_0050)
36 37
tail fiber protein (CDS_0038)
tail fiber protein (CDS_0040)
42 43 45 47 49
Gam anti-RecBCD (APIS092) (CDS_0052)
IMGVR_UViG_2711768053_000019|2711768053|2711778347|39329-94470 23635:39910(+)
tail protein (CDS_0021)
22 23 24 25 26 27
IMGVR_UViG_2547132421_000004|2547132421|2547273750|100747-148295 13420:31503(+)
integrase (CDS_0043)
45
tail fiber protein (CDS_0041)
42 44 46 47
Kil protein for bacterial septation inhibition (CDS_0052)
IMGVR_UViG_2778261542_000001|2778261542|2778321651|218322-273235 23615:38072(+)
integrase (CDS_0040)
CDS_0042
CDS_0039
CDS_0041
CDS_0044
IMGVR_UViG_2724679138_000001|2724679138|2724712180|38934-90921 23616:35461(+)
Pla (VF0139) (CDS_0025)
integrase (CDS_0026)
tail fiber protein (CDS_0021)
22 23 24 27
DksA-like zinc-finger protein (CDS_0028)
TemPhD_cluster_40726 12734:31083(+)
Carboxylesterase (VF0839) (CDS_0026)
integrase (CDS_0028)
tail protein (CDS_0021) 22 23 24 25
Pla (VF0139) (CDS_0027)
29 DksA-like zinc-finger protein (CDS_0030)
NC_049955.1 12734:30300(+)
Carboxylesterase (VF0839) (CDS_0027)
DksA-like zinc-finger protein (CDS_0031)
DNA invertase (CDS_0023)
integrase (CDS_0029)
tail fiber protein (CDS_0021)
24 25 26
Pla (VF0139) (CDS_0028)
30
TemPhD_cluster_40343 13582:33224(+)
Carboxylesterase (VF0839) (CDS_0027)
integrase (CDS_0029)
tail protein (CDS_0021)
23 24 25 26
Pla (VF0139) (CDS_0028)
30 31
TemPhD_cluster_59550 13420:32685(+)
integrase (CDS_0024)
CDS_0026
CDS_0023
CDS_0025
IMGVR_UViG_2778261645_000002|2778261645|2778332870|199148-242300 13420:27889(+)
integrase (CDS_0045)
Kil protein for bacterial septation inhibition (CDS_0054)
tail protein (CDS_0040) 41 42 43
44
46 47 Dnd__DndB (CDS_0048)
53
55
IMGVR_UViG_2563366819_000003|2563366819|2563391605|50554-106285 23613:41999(+)
integrase (CDS_0042)
tail fiber protein (CDS_0039) 40
41
43
44 45
IMGVR_UViG_2609459860_000005|2609459860|2609504448|25161-80809 23614:40575(+)
integrase (CDS_0024)
17
23
25
26 27
IMGVR_UViG_2778261093_000002|2778261093|2778278471|15650-60553 12719:29230(+)
glycosyltransferase (CDS_0023)
integrase (CDS_0024)
tail fiber protein (CDS_0021)
25
26 DksA-like zinc-finger protein (CDS_0027)
TemPhD_cluster_49011_ 13566:28914(+)
tail fiber protein (CDS_0042)
47
tail fiber protein (CDS_0041)
43
44
45
46
48 49
IMGVR_UViG_2721755676_000007|2721755676|2721801241|3329070-3389711 23633:40476(+)
tail fiber protein (CDS_0042)
integrase (CDS_0044)
tail fiber protein (CDS_0041)
43
45
46
47
IMGVR_UViG_2721755643_000007|2721755643|2721801174|3322179-3379455 23613:40085(+)
transposase (CDS_0025)
integrase (CDS_0027)
transposase (CDS_0024)
26
28 29 30
IMGVR_UViG_2861084961_000002|2861084961|2861084961|837054-884220 13419:31396(+)
transposase (CDS_0024)
transposase (CDS_0025)
tail protein (CDS_0021)
22
26
27
28 29 30
IMGVR_UViG_2718218435_000002|2718218435|2718229227|3447845-3493984 13420:31620(+)
transposase (CDS_0025)
transposase (CDS_0024)
26 27 28
IMGVR_UViG_2606217118_000001|2606217118|2606219526 13420:28927(+)
transposase (CDS_0025)
integrase (CDS_0027)
tail fiber protein (CDS_0022)
24 26
28 29 30
NC_049953.1 13564:31839(+)
Septu__PtuB_2 (CDS_0024)
23
Septu__PtuA_2 (CDS_0025)
26
27
TemPhD_cluster_47838 13564:32233(+)
integrase (CDS_0024)
tail fiber protein (CDS_0021)
CDS_0023
CDS_0025
IMGVR_UViG_2541047938_000001|2541047938|2541179381|24329-68678 12719:27618(+)
Septu__PtuB_2 (CDS_0024)
Septu__PtuA_2 (CDS_0025)
integrase (CDS_0028)
23
26 27
29 30 31
32 33
IMGVR_UViG_2734482789_000007|2734482789|2734686266|200107-250378 13420:35139(+)
Septu__PtuA_2 (CDS_0025)
Septu__PtuB_2 (CDS_0024)
integrase (CDS_0027)
23
26
28 29 30
31 32
IMGVR_UViG_2563366992_000002|2563366992|2563400920|24115-74391 13423:35144(+)
tail fiber protein (CDS_0042)
Pla (VF0139) (CDS_0045)
excisionase (CDS_0050)
tail protein (CDS_0040) 41
43
44
46 47 48
49
51 52
IMGVR_UViG_2740892042_000003|2740892042|2740906191|65106-126921 23590:42884(+)
excisionase (CDS_0025)
integrase (CDS_0024)
22
28
tail protein (CDS_0021)
23
26 27
30
IMGVR_UViG_2563366969_000003|2563366969|2563399870|129099-171396 12728:26104(+)
queuine tRNA-ribosyltransferase (CDS_0044)
minor tail protein (CDS_0033)
excisionase (CDS_0039)
tail length tape measure protein (CDS_0032)
37
38
40 41 42
IMGVR_UViG_2541047789_000001|2541047789|2541172554|128959-175166 20675:31757(+)
RM_Type_IV__Type_IV_REases___Type_IV_01 (CDS_0043)
excisionase (CDS_0047)
head protein (CDS_0045)
integrase (CDS_0046)
tail fiber protein (CDS_0040) 41
42
44
48 49
IMGVR_UViG_2698536610_000002|2698536610|2698576468|99216-157144 23290:43973(+)
CDS_0024
CDS_0027
CDS_0021
CDS_0022
CDS_0025
CDS_0028
Dnd__DndB (CDS_0029)
TemPhD_cluster_40709 12716:29264(+)
8000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
moron, auxiliary metabolic gene and host takeover
other
tail
unknown function
Defence
Virulence
Anti-defence