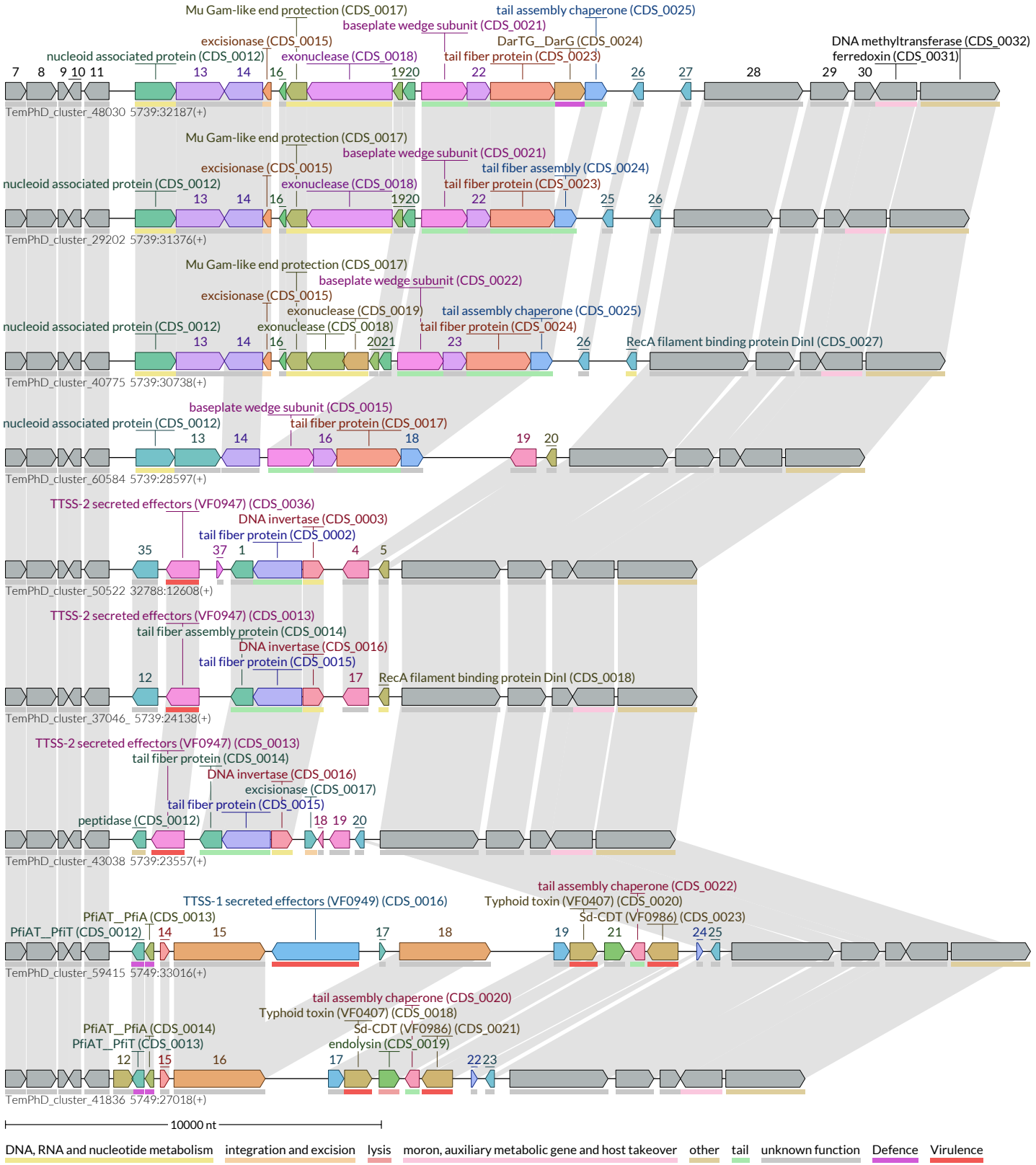
Mu Gam-like end protection (CDS_0017)
tail assembly chaperone (CDS_0025)
baseplate wedge subunit (CDS_0021)
excisionase (CDS_0015)
DarTG__DarG (CDS_0024)
DNA methyltransferase (CDS_0032)
nucleoid associated protein (CDS_0012)
exonuclease (CDS_0018)
tail fiber protein (CDS_0023)
ferredoxin (CDS_0031)
7 8 9 10 11 13 14 16 19 20 22 26 27 28 29 30
TemPhD_cluster_48030 5739:32187(+)
Mu Gam-like end protection (CDS_0017)
baseplate wedge subunit (CDS_0021)
excisionase (CDS_0015)
tail fiber assembly (CDS_0024)
nucleoid associated protein (CDS_0012)
exonuclease (CDS_0018)
tail fiber protein (CDS_0023)
13 14 16 19 20 22 25 26
TemPhD_cluster_29202 5739:31376(+)
Mu Gam-like end protection (CDS_0017)
baseplate wedge subunit (CDS_0022)
excisionase (CDS_0015)
exonuclease (CDS_0019)
tail assembly chaperone (CDS_0025)
nucleoid associated protein (CDS_0012)
exonuclease (CDS_0018)
tail fiber protein (CDS_0024)
13 14 16 20 21 23 26
RecA filament binding protein DinI (CDS_0027)
TemPhD_cluster_40775 5739:30738(+)
baseplate wedge subunit (CDS_0015)
nucleoid associated protein (CDS_0012)
tail fiber protein (CDS_0017)
13 14 16 18 19 20
TemPhD_cluster_60584 5739:28597(+)
TTSS-2 secreted effectors (VF0947) (CDS_0036)
DNA invertase (CDS_0003)
tail fiber protein (CDS_0002)
35 37 1 4 5
TemPhD_cluster_50522 32788:12608(+)
TTSS-2 secreted effectors (VF0947) (CDS_0013)
tail fiber assembly protein (CDS_0014)
DNA invertase (CDS_0016)
tail fiber protein (CDS_0015)
12 17
RecA filament binding protein DinI (CDS_0018)
TemPhD_cluster_37046_ 5739:24138(+)
TTSS-2 secreted effectors (VF0947) (CDS_0013)
tail fiber protein (CDS_0014)
DNA invertase (CDS_0016)
excisionase (CDS_0017)
tail fiber protein (CDS_0015)
peptidase (CDS_0012)
18 19 20
TemPhD_cluster_43038 5739:23557(+)
tail assembly chaperone (CDS_0022)
TTSS-1 secreted effectors (VF0949) (CDS_0016)
Typhoid toxin (VF0407) (CDS_0020)
PfiAT__PfiA (CDS_0013)
Sd-CDT (VF0986) (CDS_0023)
PfiAT__PfiT (CDS_0012)
14 15 17 18 19 21 24 25
TemPhD_cluster_59415 5749:33016(+)
tail assembly chaperone (CDS_0020)
Typhoid toxin (VF0407) (CDS_0018)
PfiAT__PfiA (CDS_0014)
Sd-CDT (VF0986) (CDS_0021)
PfiAT__PfiT (CDS_0013)
endolysin (CDS_0019)
12 15 16 17 22 23
TemPhD_cluster_41836 5749:27018(+)
10000 nt
DNA, RNA and nucleotide metabolism
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
tail
unknown function
Defence
Virulence