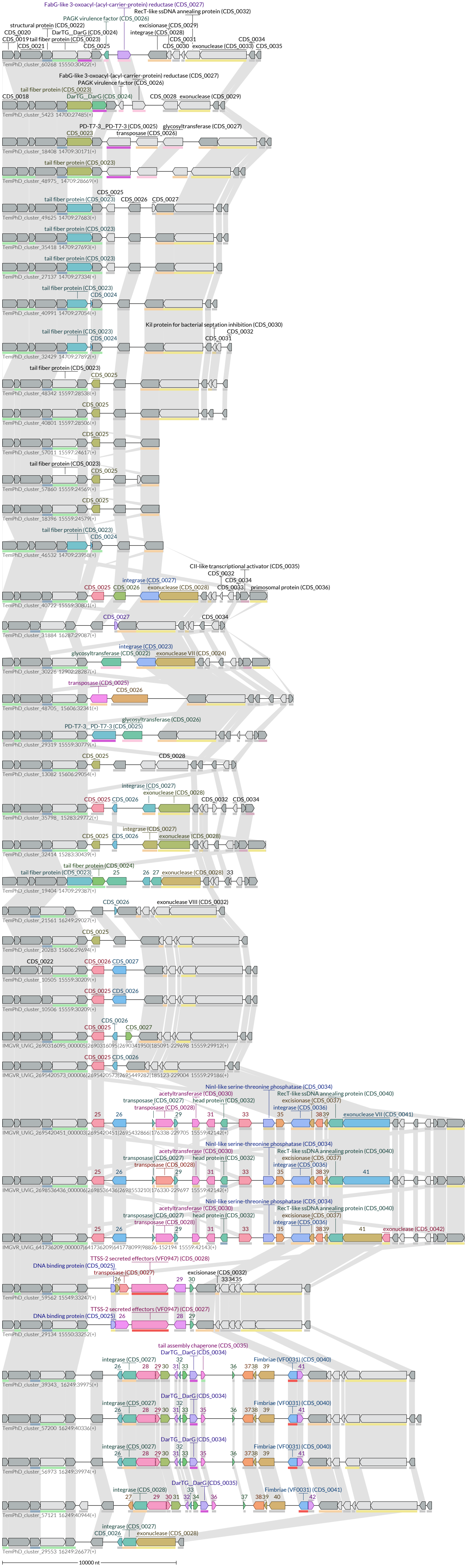
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0027)
RecT-like ssDNA annealing protein (CDS_0032)
PAGK virulence factor (CDS_0026)
structural protein (CDS_0022)
excisionase (CDS_0029)
CDS_0020
DarTG__DarG (CDS_0024)
integrase (CDS_0028)
CDS_0019
tail fiber protein (CDS_0023)
CDS_0031
CDS_0034
CDS_0021
CDS_0025
CDS_0030
exonuclease (CDS_0033)
CDS_0035
TemPhD_cluster_60268 15550:30422(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0027)
PAGK virulence factor (CDS_0026)
tail fiber protein (CDS_0023)
CDS_0018
DarTG__DarG (CDS_0024)
CDS_0028
exonuclease (CDS_0029)
TemPhD_cluster_5423 14700:27485(+)
PD-T7-3__PD-T7-3 (CDS_0025)
glycosyltransferase (CDS_0027)
CDS_0023
transposase (CDS_0026)
TemPhD_cluster_18408 14709:30171(+)
tail fiber protein (CDS_0023)
TemPhD_cluster_48975_ 14709:28669(+)
CDS_0025
tail fiber protein (CDS_0023)
CDS_0026
CDS_0027
TemPhD_cluster_49625 14709:27683(+)
tail fiber protein (CDS_0023)
TemPhD_cluster_35418 14709:27693(+)
tail fiber protein (CDS_0023)
TemPhD_cluster_27137 14709:27334(+)
tail fiber protein (CDS_0023)
CDS_0024
TemPhD_cluster_40991 14709:27054(+)
Kil protein for bacterial septation inhibition (CDS_0030)
CDS_0032
tail fiber protein (CDS_0023)
CDS_0024
CDS_0031
TemPhD_cluster_32429 14709:27892(+)
tail fiber protein (CDS_0023)
CDS_0025
TemPhD_cluster_48342 15597:28538(+)
CDS_0025
TemPhD_cluster_40801 15597:28506(+)
CDS_0025
TemPhD_cluster_57011 15597:24617(+)
tail fiber protein (CDS_0023)
CDS_0025
TemPhD_cluster_57860 15559:24569(+)
CDS_0025
TemPhD_cluster_18396 15559:24579(+)
tail fiber protein (CDS_0023)
CDS_0024
TemPhD_cluster_46532 14709:23958(+)
CII-like transcriptional activator (CDS_0035)
CDS_0032
integrase (CDS_0027)
CDS_0034
CDS_0025
CDS_0026
exonuclease (CDS_0028)
CDS_0033
primosomal protein (CDS_0036)
TemPhD_cluster_40722 15559:30801(+)
CDS_0027
CDS_0034
TemPhD_cluster_31884 16287:29087(+)
integrase (CDS_0023)
glycosyltransferase (CDS_0022)
exonuclease VII (CDS_0024)
TemPhD_cluster_30226 12902:28287(+)
transposase (CDS_0025)
CDS_0026
TemPhD_cluster_48705_ 15606:32341(+)
glycosyltransferase (CDS_0026)
PD-T7-3__PD-T7-3 (CDS_0025)
TemPhD_cluster_29319 15559:30779(+)
CDS_0025
CDS_0028
TemPhD_cluster_13082 15606:29054(+)
integrase (CDS_0027)
exonuclease (CDS_0028)
CDS_0025
CDS_0026
CDS_0032
CDS_0034
TemPhD_cluster_35798_ 15283:29772(+)
integrase (CDS_0027)
CDS_0025
CDS_0026
exonuclease (CDS_0028)
TemPhD_cluster_32414 15283:30439(+)
tail fiber protein (CDS_0024)
tail fiber protein (CDS_0023)
25
26
27
exonuclease (CDS_0028)
33
TemPhD_cluster_19404 14709:29387(+)
CDS_0026
exonuclease VIII (CDS_0032)
TemPhD_cluster_21561 16249:29027(+)
CDS_0025
TemPhD_cluster_20283 15606:29694(+)
CDS_0022
CDS_0026
CDS_0027
TemPhD_cluster_10505 15559:30209(+)
CDS_0025
CDS_0026
TemPhD_cluster_10506 15559:30209(+)
CDS_0026
CDS_0025
CDS_0027
IMGVR_UViG_2690316095_000005|2690316095|2690341950|185091-229698 15559:29912(+)
CDS_0025
CDS_0026
IMGVR_UViG_2695420573_000006|2695420573|2695449282|185123-229004 15559:29186(+)
NinI-like serine-threonine phosphatase (CDS_0034)
acetyltransferase (CDS_0030)
RecT-like ssDNA annealing protein (CDS_0040)
transposase (CDS_0027)
head protein (CDS_0032)
excisionase (CDS_0037)
transposase (CDS_0028)
integrase (CDS_0036)
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exonuclease VII (CDS_0041)
IMGVR_UViG_2695420451_000003|2695420451|2695432866|176338-229705 15559:42142(+)
NinI-like serine-threonine phosphatase (CDS_0034)
acetyltransferase (CDS_0030)
RecT-like ssDNA annealing protein (CDS_0040)
transposase (CDS_0027)
head protein (CDS_0032)
excisionase (CDS_0037)
transposase (CDS_0028)
integrase (CDS_0036)
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IMGVR_UViG_2698536436_000006|2698536436|2698553210|176330-229697 15559:42142(+)
NinI-like serine-threonine phosphatase (CDS_0034)
acetyltransferase (CDS_0030)
RecT-like ssDNA annealing protein (CDS_0040)
transposase (CDS_0027)
head protein (CDS_0032)
excisionase (CDS_0037)
transposase (CDS_0028)
integrase (CDS_0036)
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exonuclease (CDS_0042)
IMGVR_UViG_641736209_000007|641736209|641778099|98826-152194 15559:42143(+)
TTSS-2 secreted effectors (VF0947) (CDS_0028)
DNA binding protein (CDS_0025)
transposase (CDS_0027)
excisionase (CDS_0032)
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TemPhD_cluster_59562 15549:33247(+)
TTSS-2 secreted effectors (VF0947) (CDS_0027)
DNA binding protein (CDS_0025)
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TemPhD_cluster_29134 15550:33252(+)
tail assembly chaperone (CDS_0035)
DarTG__DarG (CDS_0034)
integrase (CDS_0027)
32
Fimbriae (VF0031) (CDS_0040)
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41
TemPhD_cluster_39343_ 16249:39975(+)
DarTG__DarG (CDS_0034)
integrase (CDS_0027)
32
Fimbriae (VF0031) (CDS_0040)
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41
TemPhD_cluster_57200 16249:40336(+)
DarTG__DarG (CDS_0034)
integrase (CDS_0027)
32
Fimbriae (VF0031) (CDS_0040)
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41
TemPhD_cluster_56973 16249:39974(+)
DarTG__DarG (CDS_0035)
integrase (CDS_0028)
33
Fimbriae (VF0031) (CDS_0041)
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42
TemPhD_cluster_57121 16249:40944(+)
integrase (CDS_0027)
CDS_0026
exonuclease (CDS_0028)
TemPhD_cluster_29553 16249:26677(+)
10000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
moron, auxiliary metabolic gene and host takeover
other
tail
transcription regulation
unknown function
Defence
Virulence