tail fiber assembly protein (CDS_0024)
baseplate wedge subunit (CDS_0020)
short tail fiber protein (CDS_0023)
baseplate hub (CDS_0018)
baseplate wedge subunit (CDS_0022)
DNA invertase (CDS_0027)
RecA filament binding protein DinI (CDS_0033)
excisionase (CDS_0037)
exonuclease (CDS_0038)
19 baseplate protein (CDS_0021)
25
26
28
29
30
31
32
34
35
36
TemPhD_cluster_36079 13305:27038(+)
CDS_0023
CDS_0024
CDS_0030
CDS_0031
CDS_0032
TemPhD_cluster_13550 13115:24047(+)
deoxyribonucleoside 5' monophosphate phosphatase (CDS_0031)
CDS_0030
tail protein (CDS_0023)
CDS_0026
CDS_0029
uvig_338528 13305:23555(+)
tail protein (CDS_0023)
CDS_0026
CDS_0027
uvig_84457 13306:22675(+)
CDS_0023
CDS_0024
CDS_0027
TemPhD_cluster_42692 13211:22219(+)
tail fiber protein (CDS_0025)
tail fiber protein (CDS_0022)
23
24
26
29
30
IMGVR_UViG_2880345022_000008|2880345022|2880345022|4521949-4562887 13305:25273(+)
CDS_0024
short tail fiber protein (CDS_0023)
CDS_0025
CDS_0030
IMGVR_UViG_2645727948_000017|2645727948|2645771444|27061-66799 13306:23686(+)
short tail fiber protein (CDS_0023)
CDS_0024
CDS_0025
UmuD-like protein (CDS_0026)
zinc containing alcohol dehydrogenase superfamily (CDS_0031)
IMGVR_UViG_2718218495_000009|2718218495|2718229356|5117485-5158385 13118:25347(+)
tail fiber assembly protein (CDS_0024)
tail fiber assembly (CDS_0025)
short tail fiber protein (CDS_0023)
DNA invertase (CDS_0026)
CDS_0029
CDS_0030
TemPhD_cluster_36941_ 13306:23672(+)
short tail fiber protein (CDS_0023)
DNA invertase (CDS_0025)
CDS_0024
DNA binding protein (CDS_0026)
IMGVR_UViG_2875722834_000002|2875722834|2875722834|1802716-1842707 13364:24949(+)
tail fiber assembly protein (CDS_0024)
tail fiber assembly (CDS_0025)
short tail fiber protein (CDS_0023)
DNA invertase (CDS_0026)
TemPhD_cluster_32984 13327:23799(+)
tail fiber assembly protein (CDS_0024)
tail fiber assembly (CDS_0025)
short tail fiber protein (CDS_0023)
DNA invertase (CDS_0026)
TemPhD_cluster_42644 13306:23859(+)
tail fiber assembly protein (CDS_0024)
tail fiber assembly (CDS_0023)
tail fiber protein (CDS_0022)
CDS_0025
TemPhD_cluster_61235 13058:23534(+)
tail fiber assembly protein (CDS_0024)
tail fiber assembly (CDS_0025)
DNA binding protein (CDS_0028)
tail collar protein (CDS_0026)
short tail fiber protein (CDS_0023)
DNA invertase (CDS_0027)
IMGVR_UViG_2541047897_000010|2541047897|2541177321|51750-93391 13306:26216(+)
tail fiber assembly (CDS_0025)
short tail fiber protein (CDS_0023)
24
26
DNA invertase (CDS_0027)
30
TemPhD_cluster_42142 13307:23917(+)
tail fiber assembly protein (CDS_0024)
tail collar fiber protein (CDS_0026)
tail fiber assembly (CDS_0025)
DNA binding protein (CDS_0028)
short tail fiber protein (CDS_0023)
DNA invertase (CDS_0027)
Norman_140_NODE_1_length_42453_cov_8270.462427 13339:24911(+)
tail fiber assembly (CDS_0023)
tail fiber protein (CDS_0022)
O-acetyltransferase (CDS_0024)
CDS_0030
TemPhD_cluster_37083_ 12685:24399(+)
tail fiber assembly protein (CDS_0024)
tail fiber assembly (CDS_0025)
short tail fiber protein (CDS_0023)
DNA invertase (CDS_0026)
TemPhD_cluster_37023_ 13339:23883(+)
short tail fiber protein (CDS_0023)
CDS_0024
TemPhD_cluster_33359 13306:22157(+)
tail collar fiber protein (CDS_0026)
tail fiber assembly protein (CDS_0025)
DNA binding protein (CDS_0028)
short tail fiber protein (CDS_0023)
24
DNA invertase (CDS_0027)
IMGVR_UViG_2563366965_000001|2563366965|2563399590|42973-84723 13400:25331(+)
tail fiber assembly (CDS_0024)
tail fiber protein (CDS_0023)
CDS_0025
CDS_0026
IMGVR_UViG_2565956716_000008|2565956716|2565986230|46127-86990 13306:24337(+)
tail fiber assembly protein (CDS_0024)
virion structural protein (CDS_0025)
tail fiber assembly (CDS_0023)
tail fiber protein (CDS_0022)
26
31
IMGVR_UViG_2778261067_000008|2778261067|2778275686|45412-88167 12685:25122(+)
tail fiber assembly protein (CDS_0024)
tail fiber assembly protein (CDS_0025)
tail collar protein (CDS_0026)
short tail fiber protein (CDS_0023)
27
32
IMGVR_UViG_2703718839_000008|2703718839|2703743139|47667-90279 13303:25317(+)
tail fiber assembly (CDS_0024)
DNA invertase (CDS_0027)
tail fiber protein (CDS_0023)
25
26
DNA binding protein (CDS_0028)
IMGVR_UViG_2563366806_000003|2563366806|2563391258|52860-96079 13239:26172(+)
tail fiber protein (CDS_0023)
CDS_0025
CDS_0024
CDS_0026
TemPhD_cluster_17577 13306:23519(+)
tail fiber assembly protein (CDS_0024)
tail collar fiber protein (CDS_0026)
tail fiber assembly (CDS_0025)
DNA binding protein (CDS_0028)
short tail fiber protein (CDS_0023)
DNA invertase (CDS_0027)
33
IMGVR_UViG_2563366923_000006|2563366923|2563396880|25267-65219 13161:24361(+)
tail fiber assembly protein (CDS_0024)
tail collar fiber protein (CDS_0026)
tail fiber assembly (CDS_0025)
DNA binding protein (CDS_0028)
short tail fiber protein (CDS_0023)
DNA invertase (CDS_0027)
TemPhD_cluster_24721 13160:24406(+)
tail fiber assembly protein (CDS_0025)
tail fiber assembly (CDS_0024)
DNA binding protein (CDS_0027)
tail fiber protein (CDS_0023)
DNA invertase (CDS_0026)
TemPhD_cluster_29852 13304:24383(+)
tail fiber assembly protein (CDS_0025)
DNA invertase (CDS_0027)
short tail fiber protein (CDS_0023)
24
26
DNA binding protein (CDS_0028)
TemPhD_cluster_61182 13279:23787(+)
tail fiber assembly (CDS_0023)
DNA invertase (CDS_0025)
tail fiber protein (CDS_0022)
24
DNA binding protein (CDS_0026)
IMGVR_UViG_2778261298_000002|2778261298|2778297442|43964-85425 12762:23801(+)
tail fiber assembly (CDS_0025)
tail collar protein (CDS_0026)
short tail fiber protein (CDS_0023)
24
DNA invertase (CDS_0027)
TemPhD_cluster_42183 13280:22797(+)
short tail fiber protein (CDS_0023)
OatA (VF0441) (CDS_0025)
CDS_0024
CDS_0026
IMGVR_UViG_2617270962_000012|2617270962|2617321166|212-41264 13305:26487(+)
short tail fiber protein (CDS_0023)
OatA (VF0441) (CDS_0025)
CDS_0024
CDS_0026
IMGVR_UViG_2606217174_000008|2606217174|2606222745|164030-204691 13305:26096(+)
tail fiber assembly protein (CDS_0024)
tail collar fiber protein (CDS_0026)
tail fiber assembly (CDS_0025)
short tail fiber protein (CDS_0023)
27
30
31
32
uvig_418802 13281:22168(+)
tail fiber protein (CDS_0023)
CDS_0024
uvig_80723 13306:20872(+)
5000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
other
tail
unknown function
Virulence