deoxyribonucleoside 5' monophosphate phosphatase (CDS_0028)
CDS_0026
CDS_0027
CDS_0029
CDS_0030
CDS_0031
ParA-like partition protein (CDS_0032)
CDS_0033
CDS_0034
CDS_0035
primosomal protein (CDS_0037)
CDS_0036
transcriptional repressor (CDS_0039)
transcriptional activator (CDS_0038)
IMGVR_UViG_2897346870_000006|2897346870|2897346870|3722741-3764562 24416:33365(+)
CI-like repressor (CDS_0035)
ParA-like partition protein (CDS_0034)
CDS_0033
CDS_0036
TemPhD_cluster_48410 28691:37758(+)
34 35
36
37
38
39
phosphoadenosine phosphosulfate reductase (CDS_0044)
IMGVR_UViG_2554235179_000013|2554235179|2554273506|3774-43700 23874:32612(+)
CDS_0035
CDS_0036
CDS_0037
CDS_0043
IMGVR_UViG_2571042487_000016|2571042487|2571116320|24073-63829 24855:32382(+)
CDS_0033
CDS_0034
CDS_0035
TemPhD_cluster_60019 28790:36889(+)
29
30
31
32
33
34
IMGVR_UViG_2541047913_000004|2541047913|2541178066|37829-79950 24278:34064(+)
CDS_0042
CDS_0040
CDS_0041
CDS_0043
CDS_0044
primosomal protein (CDS_0047)
TemPhD_cluster_61000 26531:33757(+)
CDS_0036
CDS_0035
CDS_0037
transcriptional repressor (CDS_0038)
IMGVR_UViG_3300029671_000217|3300029671|Ga0245181_100038|76282-117700 24830:32487(+)
transcriptional repressor (CDS_0039)
UmuD-like protein (CDS_0038)
transcriptional regulator (CDS_0046)
CDS_0041
primosomal protein (CDS_0042)
HNH endonuclease (CDS_0047)
TemPhD_cluster_25849 27864:36079(+)
CDS_0043
CDS_0042
CDS_0047
primosomal protein (CDS_0048)
HNH endonuclease (CDS_0054)
anti-termination protein Q-like (CDS_0055)
IMGVR_UViG_2737471817_000007|2737471817|2737496075|2738-45105 27786:38135(+)
CDS_0035
CDS_0036
CDS_0037
IMGVR_UViG_2563366836_000013|2563366836|2563392635|2-40667 25386:33140(+)
CDS_0034
CDS_0035
CDS_0036
IMGVR_UViG_2541047806_000007|2541047806|2541173296|196988-237260 24910:32664(+)
GtrA-like O-antigen conversion (CDS_0026)
LPS (VF0124) (CDS_0025)
CDS_0031
CDS_0032
transcriptional regulator (CDS_0033)
uvig_255168 19852:28982(+)
restriction endonuclease II (CDS_0030)
CDS_0031
integrase (CDS_0032)
CDS_0038
CDS_0039
transcriptional regulator (CDS_0040)
TemPhD_cluster_23594_ 22377:33486(+)
CDS_0036
CDS_0035
CDS_0037
CDS_0038
CDS_0043
TemPhD_cluster_50028 24874:32707(+)
CDS_0034
CDS_0033
CDS_0035
CDS_0036
IMGVR_UViG_2721755709_000003|2721755709|2721801308|3275091-3318560 26994:35163(+)
CDS_0045
CDS_0046
IMGVR_UViG_2718217897_000001|2718217897|2718228158|1150100-1195365 30621:38272(+)
35 36
37
38
transcriptional regulator (CDS_0039)
IMGVR_UViG_3300028960_000080|3300028960|Ga0169754_100066|19154-61053 25533:33347(+)
31 32
33
34
transcriptional regulator (CDS_0035)
uvig_110542 20227:29417(+)
27
28
29
30
34 35
36
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38
TemPhD_cluster_49865 20069:31902(+)
CDS_0039
transcriptional regulator (CDS_0040)
IMGVR_UViG_2681813201_000021|2681813201|2681865895|9336-49534 25395:33045(+)
exonuclease (CDS_0032)
CDS_0034
CDS_0033
CDS_0035
CDS_0041
CDS_0040
CDS_0042
transcriptional regulator (CDS_0043)
TemPhD_cluster_36941_ 23100:33179(+)
deoxyribonucleoside 5' monophosphate phosphatase (CDS_0034)
CDS_0035
CDS_0036
CI-like repressor (CDS_0042)
CDS_0041
Retron_VI_HTH (CDS_0043)
IMGVR_UViG_2547132254_000004|2547132254|2547204407|29063-73404 28135:37191(+)
CI-like repressor (CDS_0040)
CDS_0039
Retron_VI_HTH (CDS_0041)
TemPhD_cluster_32305 27274:34639(+)
CI-like repressor (CDS_0040)
CDS_0038
CDS_0039
Retron_VI_HTH (CDS_0041)
TemPhD_cluster_24554 24393:35646(+)
CI-like repressor (CDS_0039)
CDS_0038
CDS_0037
Retron_VI_HTH (CDS_0040)
TemPhD_cluster_32964 24341:33898(+)
CI-like repressor (CDS_0036)
CDS_0035
CDS_0034
Retron_VI_HTH (CDS_0037)
TemPhD_cluster_61521 22908:31815(+)
excisionase (CDS_0027)
CDS_0029
CDS_0034
Retron_VI_HTH (CDS_0035)
uvig_338528 21198:30602(+)
CI-like repressor (CDS_0037)
CDS_0036
Retron_VI_HTH (CDS_0038)
TemPhD_cluster_60460 25955:33833(+)
CI-like repressor (CDS_0034)
CDS_0033
Retron_VI_HTH (CDS_0035)
replication initiation O-like (CDS_0038)
IMGVR_UViG_2718218452_000013|2718218452|2718229259|3906682-3953181 30487:40268(+)
DNA methyltransferase (CDS_0040)
41
transcriptional repressor (CDS_0048)
45 46 47
transcriptional regulator (CDS_0049)
TemPhD_cluster_36079 26157:36108(+)
transcriptional regulator (CDS_0047)
Retron_VI_HTH (CDS_0045)
CDS_0044
replication protein (CDS_0049)
CDS_0048
IMGVR_UViG_2778261067_000008|2778261067|2778275686|45412-88167 28585:36868(+)
transcriptional regulator (CDS_0036)
replication protein (CDS_0038)
CDS_0037
TemPhD_cluster_40769 28619:39068(+)
transcriptional regulator (CDS_0045)
CII-like regulator (CDS_0044)
TemPhD_cluster_42142 26104:34248(+)
CDS_0039
transcriptional regulator (CDS_0040)
TemPhD_cluster_42692 24471:32453(+)
CDS_0025
CDS_0026
CDS_0027
CDS_0028
CDS_0030
Retron_VI_HTH (CDS_0034)
CI-like repressor (CDS_0033)
TemPhD_cluster_13550 18535:30378(+)
4000 nt
DNA, RNA and nucleotide metabolism
integration and excision
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Defence
Virulence