deoxyribonucleoside 5' monophosphate phosphatase (CDS_0029)
transcriptional regulator (CDS_0035)
primosomal protein (CDS_0038)
transcriptional repressor (CDS_0040)
MGV-GENOME-0238198 21234:27862(+)
excisionase (CDS_0036)
exonuclease (CDS_0037)
IMGVR_UViG_2563366965_000001|2563366965|2563399590|42973-84723 25050:35091(+)
CI-like repressor (CDS_0041)
Retron_VI__HTH (CDS_0042)
IMGVR_UViG_2563366923_000006|2563366923|2563396880|25267-65219 20684:32076(+)
CI-like repressor (CDS_0036)
Retron_VI__HTH (CDS_0037)
primosomal protein (CDS_0040)
uvig_419621 17582:27106(+)
CDS_0028
CDS_0027
CDS_0029
CDS_0032
CDS_0033
CDS_0034
Retron_VI__HTH (CDS_0035)
phosphoadenosine phosphosulfate reductase (CDS_0040)
uvig_80723 18362:26911(+)
IMGVR_UViG_2778261298_000002|2778261298|2778297442|43964-85425 22911:34805(+)
TemPhD_cluster_29852 23493:34094(+)
CDS_0040
CDS_0041
CDS_0042
CDS_0043
IMGVR_UViG_2875722834_000002|2875722834|2875722834|1802716-1842707 24068:33324(+)
transcriptional regulator (CDS_0044)
replication protein (CDS_0046)
CDS_0033 CDS_0034
CDS_0039
CDS_0040
CDS_0041
CDS_0042
CDS_0045
TemPhD_cluster_17577 22629:33610(+)
Retron_VI__HTH (CDS_0040)
CDS_0037
CDS_0038
CDS_0039
transcriptional regulator (CDS_0042)
IMGVR_UViG_2645727948_000017|2645727948|2645771444|27061-66799 22796:33086(+)
CDS_0026
CDS_0027
CDS_0033
CDS_0034
CDS_0035
Retron_VI__HTH (CDS_0036)
uvig_84457 19580:31190(+)
transcriptional regulator (CDS_0041)
TemPhD_cluster_42644 20306:32717(+)
transcriptional regulator (CDS_0047)
transcriptional regulator (CDS_0050)
Norman_140_NODE_1_length_42453_cov_8270.462427 24021:35364(+)
CII-like regulator (CDS_0044)
transcriptional regulator (CDS_0045)
TemPhD_cluster_61182 22904:33232(+)
phosphoadenosine phosphosulfate reductase (CDS_0036)
transcriptional repressor (CDS_0043)
TemPhD_cluster_42183 21907:33807(+)
IMGVR_UViG_2579779007_000006|2579779007|2579841316|87555-129373 23710:34677(+)
CI-like repressor (CDS_0032)
CDS_0031
CDS_0030
Retron_VI__HTH (CDS_0033)
TemPhD_cluster_51098 20342:28506(+)
CDS_0031
CDS_0030
CDS_0032
transcriptional repressor (CDS_0033)
uvig_56256 18968:25562(+)
CDS_0032
CDS_0031
CDS_0033
transcriptional regulator (CDS_0034)
uvig_115567 19924:26870(+)
TemPhD_cluster_18971 23896:31143(+)
IMGVR_UViG_2721755496_000006|2721755496|2721800922|3679468-3720335 26153:33778(+)
UmuD-like protein (CDS_0040)
transcriptional repressor (CDS_0041)
TemPhD_cluster_42412 23422:32885(+)
CDS_0034
CDS_0035
CDS_0036
IMGVR_UViG_2561511241_000001|2561511241|2561542231|293501-334144 25170:33281(+)
TemPhD_cluster_17569 24870:32622(+)
CI-like repressor (CDS_0036)
CDS_0034
CDS_0035
Retron_VI__HTH (CDS_0037)
IMGVR_UViG_2718218135_000005|2718218135|2718228660|3619825-3659060 23930:32498(+)
TemPhD_cluster_21923 21341:31218(+)
short tail fiber protein (CDS_0022)
baseplate wedge subunit (CDS_0021)
CDS_0027
CDS_0028
Retron_VI__HTH (CDS_0030)
MGV-GENOME-0232119 15773:25300(+)
uvig_297923 15773:25339(+)
CI-like repressor (CDS_0037)
Retron_VI__HTH (CDS_0038)
TemPhD_cluster_36512_ 22424:32542(+)
CDS_0035
CDS_0036
CDS_0037
TemPhD_cluster_24764 22951:32357(+)
35transposase (CDS_0036)
IMGVR_UViG_2585427764_000009|2585427764|2585459048|12-40562 22049:33231(+)
uvig_187304 23915:32658(+)
IMGVR_UViG_2687453530_000005|2687453530|2687454282|3671857-3714607 24776:35597(+)
IMGVR_UViG_2547132281_000014|2547132281|2547213540|31378-71848 22086:33153(+)
CDS_0029
short tail fiber protein (CDS_0023)
CDS_0030
transcriptional regulator (CDS_0031)
MGV-GENOME-0291117 16393:25884(+)
tail assembly chaperone (CDS_0023)
MGV-GENOME-0278822 15773:26138(+)
MGV-GENOME-0237315 16393:26413(+)
TemPhD_cluster_36431 22814:32759(+)
TemPhD_cluster_24811 22798:31439(+)
IMGVR_UViG_2540341091_000003|2540341091|2540348122|965747-1008993 25033:34977(+)
IMGVR_UViG_2630968533_000007|2630968533|2631001868|4061249-4104063 25659:34300(+)
TemPhD_cluster_36704_ 22677:31726(+)
TemPhD_cluster_36580_ 21341:31040(+)
CDS_0039
CDS_0038
CDS_0040
CDS_0041
primosomal protein (CDS_0044)
HNH endonuclease (CDS_0049)
TemPhD_cluster_17579 27332:35233(+)
CDS_0035
IMGVR_UViG_2606217174_000008|2606217174|2606222745|164030-204691 25215:32880(+)
IMGVR_UViG_2909303794_000010|2909303794|2909303794|3923312-3967378 26416:35035(+)
UmuD-like protein (CDS_0030)
transcriptional repressor (CDS_0031)
MGV-GENOME-0235383 15773:25384(+)
baseplate wedge subunit (CDS_0019)
baseplate protein (CDS_0020)
transcriptional repressor (CDS_0029)
uvig_296769 14312:23671(+)
Borvo__BovA (CDS_0023)
CDS_0024
transcriptional regulator (CDS_0030)
MGV-GENOME-0227110 14312:26109(+)
CI-like repressor (CDS_0028)
CDS_0026
Retron_VI__HTH (CDS_0029)
uvig_107601 14932:24508(+)
tail fiber assembly (CDS_0024)
tail fiber protein (CDS_0023)
CDS_0025
uvig_316764 14932:24488(+)
4000 nt
DNA, RNA and nucleotide metabolism
integration and excision
moron, auxiliary metabolic gene and host takeover
other
tail
transcription regulation
unknown function
Defence