replication initiation protein (CDS_0046)
transposase (CDS_0053)
transcriptional regulator (CDS_0057)
IMGVR_UViG_2888697747_000004|2888697747|2888697747|1378588-1422438 35934:43849(+)
DNA methyltransferase (CDS_0048)
UmuD-like protein (CDS_0054)
IMGVR_UViG_2718218493_000003|2718218493|2718229346|1399776-1440541 33371:40764(+)
CDS_0043
CDS_0044
CDS_0046
CDS_0041
CDS_0045
IMGVR_UViG_2660238249_000007|2660238249|2660285496|86056-123951 31363:37894(+)
HNH endonuclease (CDS_0047)
Reverse transcriptase (CDS_0052)
IMGVR_UViG_2718218259_000003|2718218259|2718228900|1388401-1428505 30399:40103(+)
cysH_IV-B_1 (CDS_0045)
IMGVR_UViG_2671180413_000008|2671180413|2671225192|214217-253784 31871:39566(+)
HNH endonuclease (CDS_0044)
HNH endonuclease (CDS_0048)
head-tail adaptor (CDS_0005)
TemPhD_cluster_41926 32105:4917(+)
TemPhD_cluster_50126 32490:4665(+)
DNA methyltransferase (CDS_0046)
HNH endonuclease (CDS_0049)
TemPhD_cluster_61314 31233:4879(+)
HNH endonuclease (CDS_0045)
anti-CRISPR-Cas (AcrIIA7) (CDS_0002)
TemPhD_cluster_37105_ 31103:4682(+)
replication initiation protein (CDS_0046)
IMGVR_UViG_2565956731_000005|2565956731|2565986953|199306-242144 34941:42837(+)
CDS_0043
CDS_0045
CDS_0044
CDS_0046
IMGVR_UViG_2563366858_000008|2563366858|2563393905|161898-201731 32016:39832(+)
CDS_0045
CDS_0043 CDS_0044
CDS_0046
IMGVR_UViG_2563366953_000005|2563366953|2563398747|983202-1022865 31835:39662(+)
CDS_0048
CDS_0047
CDS_0049
IMGVR_UViG_2728369554_000009|2728369554|2728454671|101442-141627 33817:40184(+)
IMGVR_UViG_2541047705_000011|2541047705|2541168748|84324-126792 34944:42467(+)
IMGVR_UViG_2541047967_000005|2541047967|2541180595|84557-125151 33063:40593(+)
CDS_0045
CDS_0047
CDS_0046
CDS_0048
IMGVR_UViG_2648501920_000014|2648501920|2648580266|423-37479 30658:37055(+)
IMGVR_UViG_2541047754_000003|2541047754|2541171049|47784-88652 33164:40867(+)
IMGVR_UViG_2541047875_000008|2541047875|2541176242|84548-125102 33164:40553(+)
Mom-like DNA modification protein (CDS_0048)
uvig_427536 32458:40559(+)
CDS_0044
CDS_0043
CDS_0045
CDS_0046
uvig_393644 32283:39535(+)
CDS_0040
CDS_0048
CDS_0047
CDS_0049
IMGVR_UViG_2541047802_000008|2541047802|2541173118|109349-149887 33970:40537(+)
IMGVR_UViG_2585427732_000019|2585427732|2585454024|85628-126996 33389:41367(+)
IMGVR_UViG_2579778884_000013|2579778884|2579827906|84534-124278 32348:39743(+)
TemPhD_cluster_36479 33132:1989(+)
IMGVR_UViG_2541047933_000011|2541047933|2541179117|84542-125892 33594:41349(+)
Mom-like DNA modification protein (CDS_0045)
TemPhD_cluster_11432 32200:4544(+)
TemPhD_cluster_29881 33234:4587(+)
IMGVR_UViG_3300045988_103912|3300045988|Ga0495776_110681 32793:39675(+)
TemPhD_cluster_50101 33033:4526(+)
IMGVR_UViG_2563366864_000011|2563366864|2563394175|84438-123871 32719:39432(+)
TemPhD_cluster_13535 31748:4526(+)
uvig_314719 34941:43019(+)
TemPhD_cluster_19789 33195:4539(+)
MGV-GENOME-0264175 32131:39182(+)
IMGVR_UViG_2634166457_000020|2634166457|2634541606|34507-73746 31664:39238(+)
CDS_0048
CDS_0047
CDS_0049
CDS_0050
IMGVR_UViG_2563366884_000004|2563366884|2563395039|84426-125125 33479:40698(+)
CDS_0049
CDS_0048
CDS_0050
CDS_0051
IMGVR_UViG_2512047041_000010|2512047041|2512205696|2938308-2980203 34675:41894(+)
IMGVR_UViG_2630968543_000002|2630968543|2631002768|1410458-1452380 33480:41921(+)
queuine tRNA-ribosyltransferase (CDS_0051)
IMGVR_UViG_2541047826_000014|2541047826|2541174212|517194-560513 34762:43318(+)
IMGVR_UViG_3300045988_108797|3300045988|Ga0495776_185771 30734:38623(+)
replication initiation protein (CDS_0041)
UmuD-like protein (CDS_0045)
Reverse transcriptase (CDS_0044)
IMGVR_UViG_2579778570_000001|2579778570|2579786170|92475-129385 30362:36909(+)
replication initiation protein (CDS_0042)
MGV-GENOME-4417156 32701:40442(+)
IMGVR_UViG_2740892232_000004|2740892232|2740960189|81165-122522 33613:41356(+)
Mom-like DNA modification protein (CDS_0048)
IMGVR_UViG_2563366960_000010|2563366960|2563399324|629653-670742 33614:41088(+)
Mom-like DNA modification protein (CDS_0040)
IMGVR_UViG_3300045988_033905|3300045988|Ga0495776_086533 29803:37900(+)
Mom-like DNA modification protein (CDS_0045)
MGV-GENOME-0272403 32643:4504(+)
Mom-like DNA modification protein (CDS_0040)
uvig_423060 29858:4852(+)
Mom-like DNA modification protein (CDS_0047)
OTU_2074 32697:4504(+)
TemPhD_cluster_27752 32427:4546(+)
Mom-like DNA modification protein (CDS_0047)
TemPhD_cluster_50443 30538:2832(+)
TemPhD_cluster_32477 33021:4357(+)
DNA methyltransferase (CDS_0044)
TemPhD_cluster_50322 31700:4465(+)
HNH endonuclease (CDS_0045)
TemPhD_cluster_25814 32634:4544(+)
CDS_0044 CDS_0045 CDS_0046 CDS_0047
TemPhD_cluster_33015 32284:4593(+)
Mom-like DNA modification protein (CDS_0046)
Chehoud_patient_2_NODE_6_length_40366_cov_1166.857136 32278:4918(+)
TemPhD_cluster_49960 32527:4449(+)
TemPhD_cluster_61422 31532:4526(+)
TemPhD_cluster_37313_ 30010:4526(+)
TemPhD_cluster_42894 30010:4526(+)
CDS_0045
CDS_0047
CDS_0046
CDS_0048
CDS_0003
TemPhD_cluster_27706 33369:4550(+)
TemPhD_cluster_61176 32999:4546(+)
CDS_0048
CDS_0047
CDS_0049
CDS_0050
IMGVR_UViG_3300039366_000280|3300039366|Ga0169784_00004|118260-160084 34515:41823(+)
CDS_0044
CDS_0043
CDS_0045
CDS_0046
OTU_2020 33586:4950(+)
CDS_0044
CDS_0046
CDS_0045
CDS_0047
IMGVR_UViG_2563366930_000007|2563366930|2563397365|180950-220885 33284:39934(+)
CDS_0044 CDS_0045 CDS_0046
IMGVR_UViG_2563366920_000004|2563366920|2563396743|932714-973135 33771:40420(+)
CDS_0045
CDS_0047
CDS_0046
IMGVR_UViG_2541047728_000019|2541047728|2541169719|47765-87479 32958:39713(+)
IMGVR_UViG_2541047810_000008|2541047810|2541173494|165658-207342 33678:41683(+)
IMGVR_UViG_2681813455_000003|2681813455|2681898359|1444153-1485221 34400:41067(+)
IMGVR_UViG_2541047843_000008|2541047843|2541174801|84448-125137 33313:40688(+)
IMGVR_UViG_2802429226_000004|2802429226|2802449939|88540-126655 30344:38114(+)
TemPhD_cluster_32823 32054:1942(+)
IMGVR_UViG_2875703104_000005|2875703104|2875703104|3597398-3639511 33692:42112(+)
5000 nt
DNA, RNA and nucleotide metabolism
connector
head and packaging
integration and excision
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Defence
Anti-defence