TemPhD_cluster_54798 9406:21602(+)

tail tube protein (CDS_0009)

CDS_0010

CDS_0011
CDS_0012CDS_0013 CDS_0014

CDS_0015

CDS_0016

CDS_0017
CDS_0018

PmgC-like head morphogenesis (CDS_0019)

tail tube protein (CDS_0020)

PmgB-like head morphogenesis (CDS_0021)

CDS_0022 CDS_0023

uvig_418171 9406:21573(+)

CDS_0016 CDS_0017

IMGVR_UViG_2671180984_000014|2671180984|2671302059 9375:21575(+)

anti-repressor (CDS_0015)

CDS_0017

CDS_0018
CDS_0019

TemPhD_cluster_54368 9406:22102(+)

CDS_0010 CDS_0016 CDS_0017

TemPhD_cluster_55842 9406:21734(+)

CDS_0016 CDS_0017

TemPhD_cluster_54553 9406:22473(+)

DNA methyltransferase (CDS_0016)
CDS_0017

TemPhD_cluster_54976 8669:22989(+)

CDS_0016 CDS_0017 CDS_0021 CDS_0022 baseplate protein (CDS_0024)

uvig_307493 13152:23585(+)

CDS_0019 CDS_0020

TemPhD_cluster_45416 9406:23289(+)

cas12f2_V-F_2 (CDS_0011) CDS_0016

CDS_0017
CDS_0018

TemPhD_cluster_54834 8669:22845(+)

CDS_0016 CDS_0017

TemPhD_cluster_54961 8669:22056(+)

CDS_0016 CDS_0017

IMGVR_UViG_2681813320_000007|2681813320|2681885232 8639:23419(+)

CDS_0010
CDS_0011 CDS_0016 CDS_0017

IMGVR_UViG_2526164662_000021|2526164662|2526182896 9406:23589(+)

CDS_0017 CDS_0018

TemPhD_cluster_54984 10368:21953(+)

CDS_0016

CDS_0017
CDS_0018

MGV-GENOME-0357176 9468:20964(+)

CDS_0015 CDS_0016

MGV-GENOME-0360551 10866:21555(+)

CDS_0016

TemPhD_cluster_54529 12649:24068(+)

CDS_0015 CDS_0018 CDS_0019

TemPhD_cluster_54597 11718:23678(+)

CDS_0019 CDS_0020

TemPhD_cluster_45862 11800:23122(+)

CDS_0018

IMGVR_UViG_2778261224_000007|2778261224|2778291704 11787:23638(+)

CDS_0018 CDS_0019

TemPhD_cluster_54365 10866:22177(+)

CDS_0016 CDS_0017

NC_031129.1 9406:22577(+)

CDS_0011

Rck (VF0108) (CDS_0012)
DNA methyltransferase (CDS_0017) CDS_0018

TemPhD_cluster_55025 8669:21984(+)

CDS_0017 CDS_0018

TemPhD_cluster_54328 9406:23455(+)

DNA methyltransferase (CDS_0016) CDS_0017

TemPhD_cluster_54819 8505:21062(+)

DNA methyltransferase (CDS_0015) CDS_0016

TemPhD_cluster_54734 9406:23357(+)

DNA methyltransferase (CDS_0017) CDS_0018

TemPhD_cluster_54767 8669:22682(+)

DNA methyltransferase (CDS_0017) CDS_0018

TemPhD_cluster_54858 10982:22079(+)

DNA methyltransferase (CDS_0018) CDS_0019

TemPhD_cluster_54898 10369:21753(+)

DNA methyltransferase (CDS_0016) CDS_0017

IMGVR_UViG_2537561979_000003|2537561979|2537613396 11768:21696(+)

DNA methyltransferase (CDS_0017) CDS_0018

TemPhD_cluster_54712 7061:21063(+)

CDS_0006

PmgG-like head morphogenesis (CDS_0007)
CDS_0013

DNA methyltransferase (CDS_0014)
CDS_0015

IMGVR_UViG_2778261631_000002|2778261631|2778331071 8503:22092(+)

CDS_0009 DNA methyltransferase (CDS_0016) CDS_0017

TemPhD_cluster_54811 9406:21836(+)

DNA methyltransferase (CDS_0016) CDS_0017

TemPhD_cluster_56237 8503:22035(+)

DNA methyltransferase (CDS_0016) CDS_0017

IMGVR_UViG_2609460060_000003|2609460060|2609520839 9406:21770(+)

anti-repressor (CDS_0014)
CDS_0015

DNA methyltransferase (CDS_0017)

CDS_0018

TemPhD_cluster_54212 8503:23441(+)

CDS_0010 CDS_0011 CDS_0016

DNA methyltransferase (CDS_0017)
CDS_0018

MGV-GENOME-0360883 8505:20549(+)

CDS_0012

CDS_0013 DNA methyltransferase (CDS_0016) CDS_0017

TemPhD_cluster_56169 11539:23098(+)

CDS_0018 CDS_0020

TemPhD_cluster_55931 13001:23959(+)

CDS_0020

TemPhD_cluster_55876 10664:22257(+)

anti-repressor (CDS_0014)
CDS_0016 CDS_0018

TemPhD_cluster_54537 9468:21595(+)

CDS_0015

CDS_0016
CDS_0017 CDS_0018

IMGVR_UViG_2548876947_000004|2548876947|2549004558 9466:21636(+)

CDS_0015

CDS_0016
CDS_0017

IMGVR_UViG_2703718777_000015|2703718777|2703736162 10866:23455(+)

CDS_0016

CDS_0017
CDS_0018
CDS_0019

TemPhD_cluster_54769 10866:23450(+)

CDS_0016

CDS_0017
CDS_0018

MGV-GENOME-0316090 8670:22744(+)

CDS_0016

CDS_0017
CDS_0018

TemPhD_cluster_54236 10866:23587(+)

CDS_0016

CDS_0017

CDS_0018

CDS_0019

TemPhD_cluster_54559 10866:22726(+)

CDS_0016

CDS_0017
CDS_0018

TemPhD_cluster_55882 10802:21647(+)

CDS_0018CDS_0019

TemPhD_cluster_56080 12675:24087(+)

CDS_0020

TemPhD_cluster_54351 8504:22695(+)

CDS_0016

CDS_0017
CDS_0018
CDS_0019

TemPhD_cluster_56073 10664:22501(+)

CDS_0019 CDS_0020

TemPhD_cluster_54688 11718:23851(+)

CDS_0018

CDS_0019
CDS_0020 CDS_0021

TemPhD_cluster_54205 9406:22999(+)

CDS_0016

CDS_0017
CDS_0018 CDS_0019

TemPhD_cluster_54641 9405:24485(+)

CDS_0017

CDS_0018
CDS_0019 CDS_0020

TemPhD_cluster_54384 9406:23637(+)

CDS_0011

replication protein (CDS_0012)

Protein of unknown function (Retron_VII_2__DUF3800) (CDS_0013)

CDS_0018

CDS_0019
CDS_0020 CDS_0021

TemPhD_cluster_54227 9406:22862(+)

CDS_0017

CDS_0018
CDS_0019
CDS_0020

TemPhD_cluster_54647 9406:22501(+)

CDS_0016

CDS_0017
CDS_0018

uvig_111569 8503:23127(+)

CDS_0016

CDS_0017
CDS_0018 CDS_0019

TemPhD_cluster_54625 8504:21600(+)

CDS_0015

CDS_0016
CDS_0017 CDS_0018

IMGVR_UViG_2802429224_000004|2802429224|2802449720 9406:22771(+)

CDS_0014 CDS_0017

CDS_0018
CDS_0019

CDS_0020

TemPhD_cluster_54326 9405:23168(+)

CDS_0016

CDS_0017
CDS_0018
CDS_0019

IMGVR_UViG_2724679293_000007|2724679293|2724723434 8503:22950(+)

CDS_0016

CDS_0017
CDS_0018

TemPhD_cluster_54339 8669:23576(+)

CDS_0017

CDS_0018
CDS_0019

uvig_242668 9406:24975(+)

CDS_0017

CDS_0018
CDS_0019

TemPhD_cluster_54433 9406:25119(+)

CDS_0017

CDS_0018
CDS_0019
CDS_0020

IMGVR_UViG_2870495154_000001|2870495154|2870495156 8670:23802(+)

CDS_0017

CDS_0018
CDS_0019

IMGVR_UViG_2703718775_000013|2703718775|2703735822 9405:22740(+)

CDS_0018

CDS_0019
CDS_0020

NC_005856.1 8669:22000(+)

CDS_0017 CDS_0018

IMGVR_UViG_2703718785_000013|2703718785|2703737335 9405:22740(+)

CDS_0016 CDS_0018

CDS_0019
CDS_0020

TemPhD_cluster_54718 9406:23108(+)

CDS_0017 CDS_0018

TemPhD_cluster_54825 8504:22061(+)

DNA methyltransferase (CDS_0016) CDS_0017

TemPhD_cluster_54758 8504:22068(+)

DNA methyltransferase (CDS_0016) CDS_0017

TemPhD_cluster_54294 9406:24272(+)

CDS_0017

CDS_0018

CDS_0019

CDS_0020

IMGVR_UViG_2737471833_000002|2737471833|2737497974 9406:23442(+)

CDS_0017

CDS_0018
CDS_0019

uvig_553790 7059:21693(+)

PmgG-like head morphogenesis (CDS_0007)

CDS_0014
CDS_0015

TemPhD_cluster_54445 7962:23291(+)

CDS_0015

transposase (CDS_0016)
CDS_0017 transposase (CDS_0018)

TemPhD_cluster_56097 34335:46340(-)

CDS_0046 tail fiber protein (CDS_0045) CDS_0041

uvig_354790 7961:17983(+)

CDS_0014

6000 nt

DNA, RNA and nucleotide metabolism head and packaging integration and excision other tail transcription regulation unknown function Defence Virulence