late promoter transcriptional regulator
transcriptional regulator (CDS_0074)
exonuclease (CDS_0075)
CDS_0076
tail fiber protein proximal subunit (CDS_0077)
hinge connector of long tail fiber protein distal connector (CDS_0079)
long tail fiber protein proximal connector (CDS_0078)
long tail fiber protein distal subunit (CDS_0080)
tail fiber protein (CDS_0081)
holin (CDS_0082)
Arn anti-RM (APIS018) (CDS_0085)
anti-sigma factor (CDS_0083)
CDS_0084
NC_019503.1: 51,866-64,969 (+)
long tail fiber protein distal subunit (CDS_0077)
PP738980.1: 51,166-63,813 (+)
tail fiber protein (CDS_0050)
PP500713.1: 36,090-48,272 (+)
tail fiber protein (CDS_0180)
PQ860993.1: 96,971-109,171 (-)
long tail fiber protein distal subunit (CDS_0079)
OK040907.1: 52,144-64,696 (+)
long tail fiber protein distal subunit (CDS_0163)
PQ799574.1: 81,542-94,082 (-)
CDS_0075
long tail fiber protein distal subunit (CDS_0079)
PQ666541.1: 52,469-65,009 (+)
CDS_0078
CDS_0079
long tail fiber protein distal subunit (CDS_0083)
KP869105.1: 52,490-66,289 (+)
long tail fiber protein distal subunit (CDS_0082)
tail fiber protein (CDS_0083)
MK962755.1: 52,528-66,268 (+)
long tail fiber protein distal subunit (CDS_0083)
tail fiber protein (CDS_0084)
LN881737.1: 53,707-66,903 (+)
CDS_0084
tail fiber protein (CDS_0085)
MZ234040.1: 53,672-66,036 (+)
CDS_0084
CDS_0085
PP418986.1: 53,648-66,234 (+)
CDS_0076
hinge connector of long tail fiber protein distal connector (CDS_0081)
long tail fiber protein distal subunit (CDS_0082)
MK327928.1: 53,008-65,861 (+)
CDS_0083
hinge connector of long tail fiber protein distal connector (CDS_0082)
long tail fiber protein distal subunit (CDS_0084)
PQ657784.1: 52,907-65,890 (+)
CDS_0078
CDS_0079
long tail fiber protein distal subunit (CDS_0083)
OR769032.1: 53,016-66,623 (+)
DNA helicase loader (CDS_0073)
CDS_0078
long tail fiber protein distal subunit (CDS_0081)
MK373775.1: 50,197-63,578 (+)
CDS_0080
CDS_0081
long tail fiber protein distal subunit (CDS_0084)
PQ666540.1: 52,205-65,059 (+)
unknown function (CDS_0087)
CDS_0085
long tail fiber protein distal subunit (CDS_0081)
NC_054899.1: 52,651-66,367 (+)
long tail fiber protein distal subunit (CDS_0078)
holin (CDS_0080)
LR990704.1: 51,870-65,497 (+)
tail fiber protein (CDS_0085)
Arn anti-RM (APIS018) (CDS_0090)
PQ356294.1: 52,458-65,593 (+)
long tail fiber protein distal subunit (CDS_0081)
NC_055713.1: 52,453-65,581 (+)
Arn anti-RM (APIS018) (CDS_0091)
CDS_0092
long tail fiber protein distal subunit (CDS_0086)
PP400788.1: 54,571-67,641 (+)
CDS_0089
long tail fiber protein distal subunit (CDS_0080)
tail fiber protein (CDS_0081)
CDS_0088
MK373774.1: 51,165-65,076 (+)
tail fiber assembly (CDS_0083)
tail fiber protein (CDS_0082)
anti-restriction nuclease (CDS_0089)
ON645936.1: 52,694-65,481 (+)
long tail fiber protein distal subunit (CDS_0082)
tail fiber assembly (CDS_0083)
MZ501065.1: 52,813-65,669 (+)
long tail fiber protein distal subunit (CDS_0082)
tail fiber assembly (CDS_0083)
OZ034684.1: 51,695-64,551 (+)
long tail fiber protein distal subunit (CDS_0086)
tail fiber assembly (CDS_0087)
OL964735.1: 52,772-65,794 (+)
tail fiber protein (CDS_0082)
tail fiber assembly (CDS_0083)
OZ035785.1: 53,074-65,720 (+)
long tail fiber protein distal subunit (CDS_0081)
tail fiber assembly (CDS_0082)
NC_054934.1: 52,360-65,183 (+)
tail fiber protein (CDS_0083)
CDS_0084
NC_041919.1: 53,670-66,477 (+)
CDS_0080
CDS_0081
PQ493298.1: 51,763-64,705 (+)
tail fiber protein (CDS_0079)
tail fiber protein (CDS_0078)
CDS_0080
KM607001.1: 51,421-64,334 (+)
tail fiber adhesin (CDS_0084)
CDS_0083
CDS_0085
MZ234030.1: 53,664-66,527 (+)
tail fiber protein (CDS_0083)
CDS_0084
OP978391.1: 53,670-66,462 (+)
tail fiber protein (CDS_0086)
tail fiber assembly (CDS_0087)
MZ150757.1: 53,646-66,092 (+)
tail fiber protein (CDS_0083)
tail fiber protein (CDS_0082)
CDS_0084
MZ234035.1: 52,798-65,535 (+)
tail fiber protein (CDS_0084)
long tail fiber protein distal subunit (CDS_0083)
CDS_0085
OL631483.1: 52,742-66,193 (+)
tail fiber adhesin (CDS_0083)
long tail fiber protein distal subunit (CDS_0082)
CDS_0084
OR906198.1: 52,252-65,501 (+)
CDS_0081
tail fiber protein proximal subunit (CDS_0082)
tail fiber protein (CDS_0085)
MK327929.1: 52,803-65,350 (+)
long tail fiber protein distal subunit (CDS_0082)
OQ174500.1: 52,059-65,502 (+)
CDS_0081
tail fiber protein proximal subunit (CDS_0082)
tail fiber protein (CDS_0085)
MT968995.1: 53,415-66,007 (+)
long tail fiber protein distal subunit (CDS_0088)
tail fiber assembly (CDS_0089)
KM607003.1: 52,557-65,593 (+)
CDS_0087
CDS_0091
CDS_0092
MK327936.1: 54,596-67,418 (+)
CDS_0084
OQ067373.1: 53,490-66,304 (+)
long tail fiber protein distal subunit (CDS_0082)
tail fiber protein (CDS_0083)
OR352945.1: 52,365-65,883 (+)
tail fiber protein (CDS_0078)
long tail fiber protein distal subunit (CDS_0077)
MW882907.1: 50,273-63,079 (+)
long tail fiber protein distal subunit (CDS_0079)
long tail fiber protein distal subunit (CDS_0080)
OR525701.1: 50,783-64,408 (+)
long tail fiber protein distal subunit (CDS_0083)
MZ501052.1: 53,620-67,205 (+)
long tail fiber protein distal subunit (CDS_0067)
tail fiber assembly (CDS_0068)
MN850622.1: 45,311-57,797 (+)
long tail fiber protein distal subunit (CDS_0084)
tail fiber assembly (CDS_0085)
NC_027353.1: 53,140-66,674 (+)
tail fiber protein (CDS_0078)
tail fiber assembly (CDS_0079)
OR544954.1: 49,965-60,281 (+)
long tail fiber protein distal subunit (CDS_0084)
tail fiber assembly (CDS_0086)
CDS_0085
PQ327946.1: 53,098-65,706 (+)
long tail fiber protein distal subunit (CDS_0084)
tail fiber assembly (CDS_0085)
NC_054902.1: 53,797-67,438 (+)
long tail fiber protein distal subunit (CDS_0081)
tail fiber assembly (CDS_0082)
NC_054913.1: 51,568-65,274 (+)
tail fiber assembly (CDS_0082)
long tail fiber protein distal subunit (CDS_0081)
CDS_0085
MZ501050.1: 52,334-65,824 (+)
long tail fiber protein distal subunit (CDS_0080)
OP197928.1: 52,322-66,245 (+)
tail fiber adhesin (CDS_0084)
tail fiber protein (CDS_0083)
long tail fiber protein distal subunit (CDS_0081)
82
85
86
MF327009.1: 52,814-66,565 (+)
tail fiber assembly (CDS_0079)
CDS_0069
CDS_0074
tail fiber protein proximal subunit (CDS_0075)
tail fiber protein (CDS_0078)
NC_041864.1: 48,233-62,573 (+)
CDS_0007
CDS_0008
CDS_0013
PV029540.1: 7,015-19,300 (+)
5000 nt
DNA, RNA and nucleotide metabolism
head and packaging
lysis
moron, auxiliary metabolic gene and host takeover
other
tail
transcription regulation
unknown function
anti-defence (dbAPIS)