portal protein (CDS_0002)
CDS_0001
CDS_0003
CDS_0004
CDS_0005
CDS_0006
CDS_0007
CDS_0008
MGV-GENOME-0329812 1:14008(+)
DarB-like antirestriction (CDS_0003)
MGV-GENOME-0318761 1:21548(+)
uvig_140971 1:16712(+)
MGV-GENOME-0312782 1:6198(+)
IMGVR_UViG_3300045988_099229|3300045988|Ga0495776_187136 1:32578(+)
MGV-GENOME-0342648 1:32578(+)
MGV-GENOME-0347583 1:43445(+)
MGV-GENOME-0340950 1:34577(+)
IMGVR_UViG_3300045988_086498|3300045988|Ga0495776_051294 1:34213(+)
IMGVR_UViG_3300029368_000174|3300029368|Ga0243967_100174|595-67629 1:35320(+)
IMGVR_UViG_3300045988_094385|3300045988|Ga0495776_181613 1:34286(+)
MGV-GENOME-0344213 1:37900(+)
SAMN00791964_b1_ct1_vs2 1:37255(+)
IMGVR_UViG_3300045988_130470|3300045988|Ga0495776_187347 1:33631(+)
metallo-phosphoesterase (CDS_0004)
MGV-GENOME-0287803 1:10117(+)
IMGVR_UViG_3300045988_080537|3300045988|Ga0495776_173780 1:33828(+)
MGV-GENOME-4430604 1:30590(+)
MGV-GENOME-0341177 1:33367(+)
IMGVR_UViG_3300045988_087563|3300045988|Ga0495776_051427 1:33036(+)
IMGVR_UViG_3300045988_056215|3300045988|Ga0495776_111657 1:29492(+)
MGV-GENOME-0338406 1:31085(+)
MGV-GENOME-0343552 1:35918(+)
IMGVR_UViG_3300045988_082932|3300045988|Ga0495776_121863 1:31582(+)
MGV-GENOME-0343715 1:30708(+)
DNA methyltransferase (CDS_0003)
MGV-GENOME-0338841 1:32624(+)
MGV-GENOME-4429615 1:32102(+)
OTU_487 64293:33415(+)
IMGVR_UViG_3300045988_089223|3300045988|Ga0495776_187133 1:33401(+)
IMGVR_UViG_3300029964_000032|3300029964|Ga0315752_100005|67419-134341 1:34770(+)
kinase (CDS_0008)
IMGVR_UViG_3300006568_000386|3300006568|Ga0100215_100092|319-60520 1:28345(+)
MGV-GENOME-4427894 1:26044(+)
IMGVR_UViG_3300045988_096108|3300045988|Ga0495776_180348 1:34310(+)
MGV-GENOME-0340025 1:34177(+)
MGV-GENOME-0337871 1:32092(+)
MGV-GENOME-0340777 64971:33822(+)
IMGVR_UViG_3300029251_000490|3300029251|Ga0167475_100264|10013-76887 1:36623(+)
MGV-GENOME-4431342 1:35537(+)
IMGVR_UViG_3300045988_094348|3300045988|Ga0495776_155552 1:31131(+)
IMGVR_UViG_3300045988_058767|3300045988|Ga0495776_187196 1:29226(+)
MGV-GENOME-0330170 1:29885(+)
MGV-GENOME-0343932 1:29804(+)
MGV-GENOME-0331018 1:32582(+)
SAMN09781744_a1_ct15938 1:32202(+)
DarB-like antirestriction (CDS_0004)
IMGVR_UViG_3300029444_000348|3300029444|Ga0243728_1000183|903-65358 1:31235(+)
MGV-GENOME-0351398 1:32530(+)
IMGVR_UViG_3300045988_092918|3300045988|Ga0495776_149826 1:31477(+)
IMGVR_UViG_3300045988_083469|3300045988|Ga0495776_149807 1:31279(+)
MGV-GENOME-0344991 1:32965(+)
IMGVR_UViG_3300029452_000084|3300029452|Ga0244083_100032|22832-84705 1:36729(+)
uvig_329870 1:35784(+)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0009)
metal-dependent phosphohydrolase (CDS_0007)
MGV-GENOME-0357521 1:39044(+)
DNA methyltransferase (CDS_0010)
kinase (CDS_0008)
Han_2018_ERR1398212_NODE_122_length_80983_cov_158.005968 1:49402(+)
acetyltransferase (CDS_0009)
kinase (CDS_0008)
MGV-GENOME-0360643 1:35911(+)
Gao_let__letS (CDS_0002)
MGV-GENOME-0343959 1:38343(+)
MGV-GENOME-0375793 1:7874(+)
MGV-GENOME-0347196 1:30666(+)
SAMN11893697_a1_ct12367 1:33396(+)
IMGVR_UViG_3300045988_084075|3300045988|Ga0495776_051286 1:34830(+)
IMGVR_UViG_3300045988_090642|3300045988|Ga0495776_156396 1:35340(+)
MGV-GENOME-0340540 1:33590(+)
IMGVR_UViG_3300045988_115107|3300045988|Ga0495776_180286 1:37821(+)
IMGVR_UViG_3300045988_090024|3300045988|Ga0495776_150885 1:36720(+)
IMGVR_UViG_3300045988_076436|3300045988|Ga0495776_011304 61533:32582(+)
anti-repressor (CDS_0007)
IMGVR_UViG_3300045988_185423|3300045988|Ga0495776_179269|54-68314 1:36722(+)
anti-repressor (CDS_0006)
MGV-GENOME-0372128 1:36138(+)
minor head protein (CDS_0004)
MGV-GENOME-0341509 1:33753(+)
MGV-GENOME-0341573 1:33823(+)
DNA methyltransferase (CDS_0016)
endolysin (CDS_0013)
SAMN00715179_b1_ct1_vs2 1:46541(+)
IMGVR_UViG_3300045988_081152|3300045988|Ga0495776_163137 1:32066(+)
MGV-GENOME-0317824 1:7345(+)
MGV-GENOME-0319509 1:6073(+)
MGV-GENOME-0373321 1:8537(+)
MGV-GENOME-0362281 1:7471(+)
MGV-GENOME-0306064 1:6134(+)
DarB-like antirestriction (CDS_0005)
Rampelli_10014_NODE_213_length_51578_cov_7.893950 1:18404(+)
MGV-GENOME-0310893 1:7000(+)
MGV-GENOME-0372626 1:5838(+)
Nucleotidyl transferase AbiEii__AbiEii toxin, Type IV TA system (CDS_0014)
transposase (CDS_0013)
MGV-GENOME-0345430 1:40427(+)
IMGVR_UViG_3300045988_072574|3300045988|Ga0495776_180443 1:32658(+)
IMGVR_UViG_3300045988_072577|3300045988|Ga0495776_173656 1:30785(+)
IMGVR_UViG_3300045988_071796|3300045988|Ga0495776_111625 1:31097(+)
MGV-GENOME-0344804 1:30058(+)
IMGVR_UViG_3300045988_184852|3300045988|Ga0495776_051235|268-63672 4135:32839(+)
MGV-GENOME-0287532 1:6028(+)
MGV-GENOME-0374096 1:31900(+)
IMGVR_UViG_3300045988_093728|3300045988|Ga0495776_171597 4135:32595(+)
cyanobacterial phosphoribosylglycinamide formyltransferase (CDS_0019)
kinase (CDS_0009)
MntABC (VF0455) (CDS_0015)
Han_2018_ERR1398245_NODE_45_length_83694_cov_90.610911 1:50402(+)
RM_Type_I_REases__Type_I_REases_FAM_0.einsi_trimmed (CDS_0002)
RM_Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0005)
RM_Type_I_S__Type_I_S_01 (CDS_0004)
MGV-GENOME-0369605 1:22018(+)
RM_Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0005)
RM_Type_I_S__Type_I_S_01 (CDS_0002)
MGV-GENOME-0367388 1:17869(+)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0010)
metal-dependent phosphohydrolase (CDS_0008)
IMGVR_UViG_3300045988_138988|3300045988|Ga0495776_032865 1:41101(+)
RM_Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0005)
metal-dependent phosphohydrolase (CDS_0003)
MGV-GENOME-0358805 1:16664(+)
RM_Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0002)
MGV-GENOME-0369511 1:12089(+)
CDS_0040
CDS_0042
CDS_0041
CDS_0039
MGV-GENOME-0266304 31862:38773(-)
RM_Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0004)
metal-dependent phosphohydrolase (CDS_0003)
RM_Type_I_S__Type_I_S_01 (CDS_0002)
MGV-GENOME-0302196 1:14582(+)
MGV-GENOME-0349470 1:37004(+)
RM_Type_I_MTases__Type_I_MTases_FAM_0 (CDS_0004)
metal-dependent phosphohydrolase (CDS_0003)
MGV-GENOME-0332429 1:15553(+)
MGV-GENOME-0254071 307:6125(+)
IMGVR_UViG_3300045988_122091|3300045988|Ga0495776_149294 29613:42255(+)
IMGVR_UViG_3300045988_110761|3300045988|Ga0495776_149319 29613:41123(+)
MGV-GENOME-0350417 29609:44668(+)
CDS_0012
CDS_0015
CDS_0014
CDS_0013
IMGVR_UViG_3300029439_000284|3300029439|Ga0243904_1000048|84215-152052 29541:34586(+)
20000 nt
head and packaging
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Defence
Virulence