RM_Type_II__Type_II_MTases__Type_II_MTases_FAM_0 (CDS_0048)
UmuD-like protein (CDS_0053)
GTP-binding domain (CDS_0046)
exonuclease (CDS_0057)
Retron_VI__HTH (CDS_0038)
endonuclease (CDS_0050)
Gp2.5-like ssDNA binding protein and ssDNA annealing protein (CDS_0059)
IMGVR_UViG_3300045988_118878|3300045988|Ga0495776_151601 24909:40731(+)
minor head protein (CDS_0019)
UmuD-like protein (CDS_0030)
MGV-GENOME-0249666 13521:26371(+)
UmuD-like protein (CDS_0047)
MGV-GENOME-0304765 24796:37141(+)
UmuD-like protein (CDS_0030)
MGV-GENOME-0262814 16107:28644(+)
endonuclease (CDS_0044)
UmuD-like protein (CDS_0047)
IMGVR_UViG_3300045988_145884|3300045988|Ga0495776_159063 24908:37978(+)
UmuD-like protein (CDS_0048)
MGV-GENOME-0304431 24929:37656(+)
UmuD-like protein (CDS_0047)
IMGVR_UViG_3300045988_082627|3300045988|Ga0495776_161686 24971:37575(+)
CDS_0042
CDS_0044
CDS_0036
CDS_0043
UmuD-like protein (CDS_0045)
IMGVR_UViG_3300045988_151357|3300045988|Ga0495776_005922 24965:37161(+)
CDS_0042
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0043)
MGV-GENOME-0306040 24907:35164(+)
CDS_0043
CDS_0044
UmuD-like protein (CDS_0046)
CDS_0045
IMGVR_UViG_3300029873_000381|3300029873|Ga0245321_100491|2-45311 24909:34963(+)
UmuD-like protein (CDS_0049)
MGV-GENOME-0307048 27256:38564(+)
CDS_0045
CDS_0044
MGV-GENOME-0304545 27256:34794(+)
UmuD-like protein (CDS_0048)
IMGVR_UViG_3300045988_085262|3300045988|Ga0495776_137894 24748:35167(+)
UmuD-like protein (CDS_0048)
IMGVR_UViG_3300029857_000009|3300029857|Ga0245297_1000719 24909:36899(+)
integrase (CDS_0045)
UmuD-like protein (CDS_0047)
uvig_444260_ 24912:36676(+)
replication initiation protein (CDS_0047)
UmuD-like protein (CDS_0051)
IMGVR_UViG_3300029374_000004|3300029374|Ga0243945_1000456 24912:39061(+)
UmuD-like protein (CDS_0049)
MGV-GENOME-0305453 24909:38029(+)
UmuD-like protein (CDS_0053)
MGV-GENOME-0331918 27257:44019(+)
UmuD-like protein (CDS_0048)
MGV-GENOME-0320688 24908:36973(+)
UmuD-like protein (CDS_0048)
IMGVR_UViG_3300045988_116323|3300045988|Ga0495776_157433 24908:38251(+)
IMGVR_UViG_3300029715_000488|3300029715|Ga0245215_1000286|16234-63781 24928:37276(+)
UmuD-like protein (CDS_0048)
IMGVR_UViG_3300045988_148097|3300045988|Ga0495776_151788 24971:37669(+)
UmuD-like protein (CDS_0046)
IMGVR_UViG_3300045988_108759|3300045988|Ga0495776_183678 24971:36291(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0044)
UmuD-like protein (CDS_0048)
IMGVR_UViG_3300045988_108454|3300045988|Ga0495776_028349 24868:38892(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0044)
UmuD-like protein (CDS_0048)
MGV-GENOME-0308083 24868:38892(+)
UmuD-like protein (CDS_0042)
uvig_564621 18020:29529(+)
UmuD-like protein (CDS_0040)
MGV-GENOME-0274304 18578:30758(+)
UmuD-like protein (CDS_0032)
MGV-GENOME-0263480 16106:28744(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0043)
Streptococcal lipoprotein rotamase A (VF1047) (CDS_0044)
UmuD-like protein (CDS_0048)
IMGVR_UViG_3300029717_000139|3300029717|Ga0245160_1000574 24534:39022(+)
CDS_0040
CDS_0042
CDS_0041
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0043)
MGV-GENOME-0304177 24534:34555(+)
UmuD-like protein (CDS_0049)
MGV-GENOME-0299578 24573:36166(+)
RM_Type_IIG__Type_IIG__Type_IIG_FAM_0.einsi_trimmed (CDS_0044)
UmuD-like protein (CDS_0056)
MGV-GENOME-0335029 24907:47691(+)
Streptococcal lipoprotein rotamase A (VF1047) (CDS_0044)
UmuD-like protein (CDS_0054)
IMGVR_UViG_3300008672_000020|3300008672|Ga0111519_100533 24907:44916(+)
CDS_0043
CDS_0044
MGV-GENOME-0303090 24971:34125(+)
CDS_0041
CDS_0043
IMGVR_UViG_3300008496_000215|3300008496|Ga0115078_100145|22067-65868 24643:32900(+)
CDS_0044
CDS_0043
CDS_0045
MGV-GENOME-0291271 24908:34269(+)
CDS_0041
CDS_0044
MGV-GENOME-0312542 24642:33695(+)
CDS_0043
CDS_0042
CDS_0044
MGV-GENOME-0304956 24909:34675(+)
CDS_0044
CDS_0043
CDS_0045
MGV-GENOME-0302362 24982:33926(+)
CDS_0043
CDS_0042
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0044)
MGV-GENOME-0306016 24910:34815(+)
CDS_0041
IMGVR_UViG_3300029839_000154|3300029839|Ga0245267_100131|16814-59735 24578:32620(+)
CDS_0044
CDS_0043
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0045)
MGV-GENOME-0306240 24868:35288(+)
CDS_0044
CDS_0043
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0045)
MGV-GENOME-0277920 24540:34785(+)
CDS_0044
CDS_0043
CDS_0045
MGV-GENOME-0298251 24973:34306(+)
CDS_0044
CDS_0043
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0045)
IMGVR_UViG_3300045988_131040|3300045988|Ga0495776_171449 24911:35340(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0047)
IMGVR_UViG_3300045988_104679|3300045988|Ga0495776_171370 28913:37536(+)
CDS_0039
CDS_0042
MGV-GENOME-0301596 24612:33316(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0044)
CDS_0043
CDS_0045
MGV-GENOME-0306081 24876:35291(+)
DNA polymerase (CDS_0048)
CDS_0042
CDS_0043
IMGVR_UViG_3300045988_037982|3300045988|Ga0495776_095138 24909:35143(+)
CDS_0044
CDS_0043
CDS_0045
CDS_0049
MGV-GENOME-0311804 24971:35853(+)
CDS_0043
CDS_0044
IMGVR_UViG_3300045988_028767|3300045988|Ga0495776_171366 24909:33222(+)
CDS_0043
CDS_0045
CDS_0033
CDS_0041
CDS_0044
UmuD-like protein (CDS_0046)
IMGVR_UViG_3300030379_000063|3300030379|Ga0167483_1000461 24266:35939(+)
CDS_0041
MGV-GENOME-0302770 24533:35939(+)
CDS_0040
CDS_0041
IMGVR_UViG_3300045988_099704|3300045988|Ga0495776_096845 24291:36229(+)
CDS_0041
SAMN10290170_a1_ct959 24539:35101(+)
CDS_0041
IMGVR_UViG_3300045988_113392|3300045988|Ga0495776_185271 24642:37335(+)
CDS_0041
uvig_513704 24634:35144(+)
CDS_0047
Shkoporov_2019_SRR9161587_NODE_20_length_52233_cov_20.671107 29353:39252(+)
UmuD-like protein (CDS_0046)
IMGVR_UViG_3300045988_067502|3300045988|Ga0495776_116978 24911:38139(+)
CDS_0041
MGV-GENOME-0307429 24331:37335(+)
CDS_0040
IMGVR_UViG_3300045988_051669|3300045988|Ga0495776_172090 24647:33838(+)
CDS_0041
MGV-GENOME-0304189 24642:34011(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0044)
Streptococcal lipoprotein rotamase A (VF1047) (CDS_0045)
integrase (CDS_0051)
UmuD-like protein (CDS_0053)
uvig_167868 24971:43774(+)
UmuD-like protein (CDS_0057)
SRS018351_a1_ct339_vs1 24972:47181(+)
clamp loader of DNA polymerase (CDS_0045)
integrase (CDS_0053)
UmuD-like protein (CDS_0055)
uvig_195186 24971:44230(+)
RM_Type_II__Type_II_MTases__Type_II_MTases_FAM_0 (CDS_0057)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0045)
Streptococcal lipoprotein rotamase A (VF1047) (CDS_0046)
GTP-binding domain (CDS_0055)
translation elongation factor (CDS_0054)
endonuclease (CDS_0059)
UmuD-like protein (CDS_0062)
uvig_27379 24909:49237(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0043)
Streptococcal lipoprotein rotamase A (VF1047) (CDS_0044)
translation elongation factor (CDS_0052)
integrase (CDS_0053)
UmuD-like protein (CDS_0055)
uvig_93639 24908:45197(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0044)
Streptococcal lipoprotein rotamase A (VF1047) (CDS_0045)
UmuD-like protein (CDS_0060)
uvig_398745 24907:48462(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0044)
Accessory secretion factor (VF0808) (CDS_0054)
ABC transporter (VF0818) (CDS_0051)
ABC transporter (VF0818) (CDS_0050)
hydrolase (CDS_0055)
UmuD-like protein (CDS_0061)
uvig_433747 24908:55255(+)
10000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
moron, auxiliary metabolic gene and host takeover
other
unknown function
Defence
Virulence