integrase (CDS_0042)
CDS_0036
CDS_0041
CDS_0040
CDS_0038
CDS_0043
CDS_0046
CDS_0039
CDS_0045
CDS_0037
CDS_0044
CDS_0047
MGV-GENOME-4430406 28354:35094(+)
CDS_0041
CDS_0042
IMGVR_UViG_3300045988_115323|3300045988|Ga0495776_121927 28354:37070(+)
CDS_0041
CDS_0046
MGV-GENOME-0335221 28351:35264(+)
transposase (CDS_0044)
CDS_0043
CDS_0045
IMGVR_UViG_3300023506_000007|3300023506|Ga0257040_100345 28353:37230(+)
Serine protease splABCDEF (VF0994) (CDS_0042)
41 43 44 45
MGV-GENOME-0341186 28357:39686(+)
CDS_0042
CDS_0041
CDS_0043 CDS_0044
uvig_336617 28354:40766(+)
41 42 43 44 45 46
uvig_188822 28309:41401(+)
integrase (CDS_0043)
CDS_0041
CDS_0042
CDS_0049
MGV-GENOME-0337629 28354:37310(+)
integrase (CDS_0041)
IMGVR_UViG_3300045988_075005|3300045988|Ga0495776_090718 28384:34911(+)
CDS_0041
CDS_0046
IMGVR_UViG_3300029847_000295|3300029847|Ga0245281_100300|6744-68827 28357:35029(+)
FtsK/SpoIIIE-like protein (CDS_0042)
CDS_0044
CDS_0041 CDS_0043
IMGVR_UViG_3300045988_109580|3300045988|Ga0495776_160528 28351:38071(+)
ArdA anti-RM (APIS003) (CDS_0057)
ArdA anti-RM (APIS003) (CDS_0056)
replication initiation protein (CDS_0060)
FtsK/SpoIIIE-like protein (CDS_0061)
integrase (CDS_0044)
45
tail protein (CDS_0052)
41 42 43 46 47 48 49 50 51 53 54 55 58 59 62 63
uvig_570423 28351:57310(+)
D-lactate dehydrogenase VanH (NF000492.1) (CDS_0053)
ABC-type heme transporter (VF0739) (CDS_0049)
exonuclease V (CDS_0048)
DNA methyltransferase (CDS_0059)
41 42 43 44 45 46 47 50 51 52 54 55 56 57 58 60 61 62 63 64 65 66
uvig_249962 28068:63554(+)
ABC transporter (CDS_0043)
DNA methyltransferase (CDS_0053)
41 42 44 45 46 47 48 49 50 51 52 54 55 56 57 58 59
uvig_139287 28351:57079(+)
Serine protease splABCDEF (VF0994) (CDS_0042)
D-lactate dehydrogenase VanH (NF000492.1) (CDS_0052)
Hyaluronic acid (HA) capsule (VF0667) (CDS_0046)
ABC transporter (CDS_0048)
DNA methyltransferase (CDS_0058)
integrase (CDS_0066)
41 43 44 45 47 49 50 51 53 54 55 56 57 59 60 61 62 63 64 65 73
uvig_487045 28357:64320(+)
CDS_0041
CDS_0047
uvig_325240 28351:32767(+)
integrase (CDS_0101)
CDS_0100
CDS_0099
CDS_0102
MGV-GENOME-0347574 61209:66408(+)
CDS_0099
CDS_0098
uvig_250697 61301:66482(+)
integrase (CDS_0110)
109 111
108 112
IMGVR_UViG_3300045988_118297|3300045988|Ga0495776_171562 67384:72638(+)
CDS_0120
SAMN00791997_a1_ct2598_vs1 83933:88831(+)
Serine protease splABCDEF (VF0994) (CDS_0098)
CDS_0097
CDS_0100
CDS_0099
IMGVR_UViG_3300045988_104345|3300045988|Ga0495776_179156 59813:65782(+)
102
recD_IV-D_1 (CDS_0107)
97 98 99 100 101 103 104 105 106 108 109
uvig_587019 64097:80790(+)
10000 nt
DNA, RNA and nucleotide metabolism
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
tail
transcription regulation
unknown function
Defence
Virulence
Anti-defence
AMR