transcriptional repressor (CDS_0026)
transcriptional regulator (CDS_0025)
endolysin (CDS_0021)
CDS_0028
CDS_0020
CDS_0027
CDS_0019
integrase (CDS_0023)
CDS_0029
CDS_0022
CDS_0024
CDS_0030
uvig_171419 17878:25290(+)
DNA polymerase (CDS_0023)
IMGVR_UViG_3300008496_000022|3300008496|Ga0115078_100581 18144:24859(+)
CDS_0019 CDS_0022 CDS_0025 CDS_0030
SAMN09781719_a1_ct157987_vs1 17580:25144(+)
partition protein (CDS_0023)
22 24 25 26
MGV-GENOME-0248039 16716:25857(+)
CDS_0022
CDS_0024
CDS_0023 CDS_0025
MGV-GENOME-0240089 16716:24677(+)
VirR/VirS two component system (VF0729) (CDS_0024)
CDS_0022 CDS_0023 CDS_0025 DNA polymerase (CDS_0027)
uvig_165583 16713:32772(+)
CDS_0023
CDS_0022 CDS_0024
IMGVR_UViG_3300045988_164984|3300045988|Ga0495776_128305 16865:28657(+)
22 23 24 25 26
IMGVR_UViG_3300029392_000285|3300029392|Ga0243989_1000398|322-40072 16773:29194(+)
partition protein (CDS_0024)
CDS_0022
CDS_0016 CDS_0023
IMGVR_UViG_3300029374_000011|3300029374|Ga0243945_1000657 14671:26430(+)
DNA polymerase (CDS_0022)
CDS_0021 CDS_0027
IMGVR_UViG_3300045988_123995|3300045988|Ga0495776_042333 14822:25760(+)
DNA polymerase (CDS_0023)
CDS_0021 CDS_0022 CDS_0027
MGV-GENOME-0241648 14732:24894(+)
CDS_0022 DNA polymerase (CDS_0023)
MGV-GENOME-0242293 14585:24687(+)
CDS_0021 DNA polymerase (CDS_0023)
IMGVR_UViG_3300045988_119972|3300045988|Ga0495776_143499 16239:24607(+)
DNA polymerase (CDS_0023)
MGV-GENOME-0239581 14342:24607(+)
CDS_0024
CDS_0023 CDS_0025 DNA polymerase (CDS_0026)
MGV-GENOME-0260725 16629:27717(+)
Retron_VI__HTH (CDS_0022)
CDS_0024
CDS_0023 CDS_0025 DNA polymerase (CDS_0027)
MGV-GENOME-0271885 16774:27241(+)
Retron_VI__HTH (CDS_0022)
CDS_0023
IMGVR_UViG_3300045988_127621|3300045988|Ga0495776_042700 16148:25464(+)
Retron_VI__HTH (CDS_0022)
CDS_0024
CDS_0023
IMGVR_UViG_3300045988_125268|3300045988|Ga0495776_042460 16778:25402(+)
transcriptional regulator (CDS_0026)
Retron_VI__HTH (CDS_0022)
23 24 25 27
IMGVR_UViG_3300029575_000087|3300029575|Ga0244903_101033 16716:28674(+)
Retron_VI__HTH (CDS_0022) CDS_0023
MGV-GENOME-0247008 14671:25298(+)
Retron_VI__HTH (CDS_0022)
CDS_0023
IMGVR_UViG_3300045988_127611|3300045988|Ga0495776_042124 16714:25298(+)
CDS_0023
IMGVR_UViG_3300045988_142172|3300045988|Ga0495776_021094 18099:25434(+)
CDS_0022
MGV-GENOME-0247769 18100:25140(+)
CDS_0022 CDS_0024
MGV-GENOME-0246241 16874:25158(+)
CDS_0022 CDS_0024
CDS_0023 CDS_0026
IMGVR_UViG_3300045988_128382|3300045988|Ga0495776_087498 16571:26161(+)
CDS_0023
uvig_210149 16628:25353(+)
CDS_0023
IMGVR_UViG_3300029587_000471|3300029587|Ga0245119_100439|20276-57102 16628:25687(+)
CDS_0026
IMGVR_UViG_3300029133_000311|3300029133|Ga0168787_100442|8004-46793 18197:27529(+)
DNA polymerase (CDS_0024)
MGV-GENOME-0242380 17955:24820(+)
CDS_0024
CDS_0022 CDS_0023 CDS_0025
MGV-GENOME-0325903 16387:31564(+)
CDS_0022 CDS_0023
MGV-GENOME-0262035 16867:27853(+)
24
22 23 25 26
IMGVR_UViG_3300045988_142625|3300045988|Ga0495776_072213 16863:29358(+)
CDS_0022
CDS_0023
MGV-GENOME-0258697 16813:27243(+)
CDS_0022
MGV-GENOME-0253925 16820:26434(+)
CDS_0022 CDS_0023
IMGVR_UViG_3300045988_126006|3300045988|Ga0495776_184931 16866:26510(+)
Druantia_II__DruM (CDS_0022)
partition protein (CDS_0024)
CDS_0023 CDS_0025
MGV-GENOME-0276682 16722:30593(+)
DNA methyltransferase (CDS_0022)
partition protein (CDS_0024)
CDS_0023
IMGVR_UViG_3300045988_138070|3300045988|Ga0495776_041645 16722:27023(+)
CDS_0022 partition protein (CDS_0023)
IMGVR_UViG_3300045988_128727|3300045988|Ga0495776_127469 16862:25827(+)
VirR/VirS two component system (VF0729) (CDS_0023)
22 2425 26
IMGVR_UViG_3300029249_000020|3300029249|Ga0168690_1000506 16775:29029(+)
26
24
22 23 25 ABC transporter (CDS_0027)
IMGVR_UViG_3300045988_137134|3300045988|Ga0495776_159284 16774:28099(+)
tail length tape measure protein (CDS_0012)
CDS_0017 CDS_0019
CDS_0018 D-lactate dehydrogenase VanH (NF000492.1) (CDS_0020)
uvig_480315 7424:22393(+)
FtsK/SpoIIIE-like protein (CDS_0025)
Retron_VI__HTH (CDS_0022)
24 28
23 26 27 29 DNA invertase (CDS_0030)
IMGVR_UViG_3300045988_148262|3300045988|Ga0495776_025508 16849:30331(+)
Retron_VI__HTH (CDS_0022) 27
23 24 25 26 28 DNA invertase (CDS_0029)
MGV-GENOME-0270602 16369:29436(+)
Retron_VI__HTH (CDS_0022)
transposase (CDS_0026)
25 28 30 31 33
23 24 27 29 32 34
MGV-GENOME-0284588 16866:32136(+)
transposase (CDS_0023) 25 27 28 30
22 24 26 29 31 32
IMGVR_UViG_3300029419_000121|3300029419|Ga0243913_100820 16720:32936(+)
VirR/VirS two component system (VF0729) (CDS_0029)
Retron_VI__HTH (CDS_0022)
31 33 36
23 24 25 26 27 28 30 32 34 35 37 ABC transporter (CDS_0038)
uvig_329305 16778:40017(+)
Retron_VI__HTH (CDS_0022)
24
25 27 30
23 26 28 29 31 ABC transporter (CDS_0032)
IMGVR_UViG_3300045988_146079|3300045988|Ga0495776_159352 16778:28420(+)
DNA methyltransferase (CDS_0031)
25 32
22 23 24 26 27 28 29 30 33 34 35 36
IMGVR_UViG_3300029237_000368|3300029237|Ga0167477_100122|2-50338 16867:39377(+)
anti-CRISPR-Cas (AcrIIA21) (CDS_0030)
transcriptional regulator (CDS_0034)
Retron_VI__HTH (CDS_0022) FbpABC (VF0272) (CDS_0027) PD-T4-9__PD-T4-9_C (CDS_0033)
23 24 25 26 28 29 31 32 35
MGV-GENOME-0303762 16776:36807(+)
Dodola__DolB (CDS_0032)
Hna__Hna (CDS_0029) Dodola__DolA (CDS_0033)
26 27 28 30 31 34
MGV-GENOME-0302644 17346:36563(+)
VirR/VirS two component system (VF0729) (CDS_0032)
22 23 24 25 26 27 28 29 30 31 33 34 35
IMGVR_UViG_3300029481_000140|3300029481|Ga0244053_100236 14671:47387(+)
CDS_0023 CDS_0032
CDS_0022 CDS_0024 CDS_0026 CDS_0033
IMGVR_UViG_3300029481_000286|3300029481|Ga0244053_100236|13816-52471 18039:27685(+)
transcriptional repressor (CDS_0022)
integrase (CDS_0023) 32
24 25 26 27 28 29 30 31
MGV-GENOME-0297655 16716:33584(+)
DNA methyltransferase (CDS_0037)
amidoligase enzyme (CDS_0031)
26 Druantia_II__DruM (CDS_0033) partition protein (CDS_0039)
22 23 24 25 27 28 29 30 32 34 35 36 38
MGV-GENOME-0320279 16865:43749(+)
major tail protein (CDS_0028) toxin-antitoxin system HicB-like (CDS_0035)
22 23 24 25 26 27 29 30 31 32 toxin (CDS_0034)
uvig_431903 14777:32330(+)
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