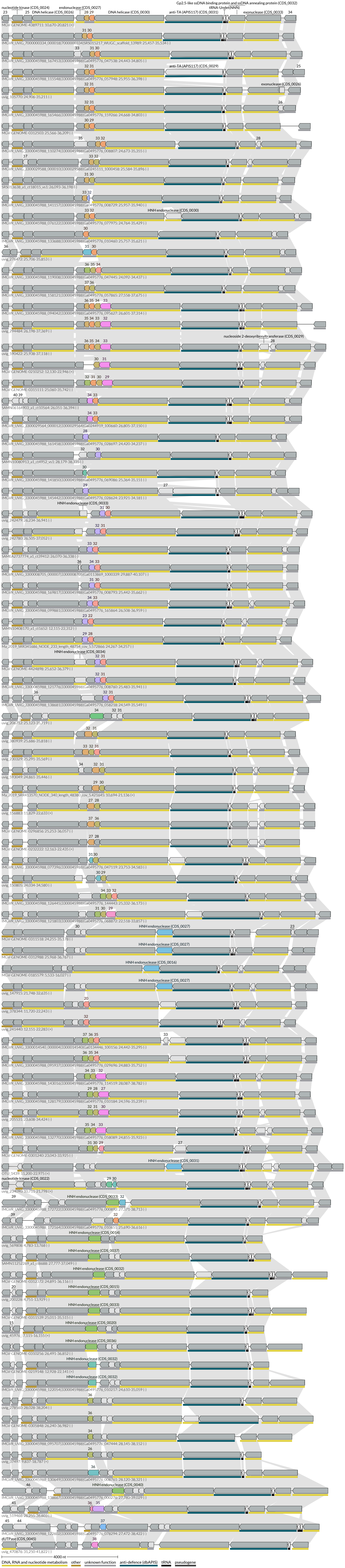
nucleotide kinase (CDS_0024)
endonuclease (CDS_0027)
DNA helicase (CDS_0026)
DNA helicase (CDS_0030)
Gp2.5-like ssDNA binding protein and ssDNA annealing protein (CDS_0032)
tRNA-Undet(NNN)
anti-TA (APIS117) (CDS_0031)
exonuclease (CDS_0033)
MGV-GENOME-4389711: 10,670-20,821 (+)
IMGVR_UViG_7000000334_000018|7000000334|SRS015217_WUGC_scaffold_13989: 25,457-35,534 (-)
IMGVR_UViG_3300045988_167453|3300045988|Ga0495776_047538: 24,443-34,805 (-)
anti-TA (APIS117) (CDS_0029)
IMGVR_UViG_3300045988_115548|3300045988|Ga0495776_057948: 25,955-36,398 (-)
exonuclease (CDS_0026)
uvig_105770: 24,906-35,211 (-)
IMGVR_UViG_3300045988_165466|3300045988|Ga0495776_159266: 24,668-34,803 (-)
MGV-GENOME-0312503: 25,566-36,209 (-)
IMGVR_UViG_3300045988_110274|3300045988|Ga0495776_008807: 24,673-35,355 (-)
IMGVR_UViG_3300029588_000010|3300029588|Ga0245111_1000458: 25,584-35,896 (-)
SRS013638_a1_ct18015_vs1: 26,093-36,198 (-)
IMGVR_UViG_3300045988_141157|3300045988|Ga0495776_008729: 25,957-35,940 (-)
HNH endonuclease (CDS_0030)
IMGVR_UViG_3300045988_076122|3300045988|Ga0495776_077975: 24,764-35,429 (-)
IMGVR_UViG_3300045988_133688|3300045988|Ga0495776_010460: 25,757-35,621 (-)
uvig_276472: 25,706-35,853 (-)
IMGVR_UViG_3300045988_119008|3300045988|Ga0495776_047445: 24,092-34,437 (-)
IMGVR_UViG_3300045988_158121|3300045988|Ga0495776_057865: 27,558-37,675 (-)
IMGVR_UViG_3300045988_094042|3300045988|Ga0495776_095627: 26,601-37,314 (-)
uvig_294484: 26,198-37,369 (-)
nucleoside 2-deoxyribosyltransferase (CDS_0029)
uvig_590422: 25,938-37,118 (-)
MGV-GENOME-0210252: 12,130-22,946 (+)
MGV-GENOME-0315111: 25,060-35,742 (-)
SAMN06164903_a1_ct10564: 26,051-36,394 (-)
IMGVR_UViG_3300029564_000012|3300029564|Ga0244919_100660: 26,805-37,150 (-)
IMGVR_UViG_3300045988_161458|3300045988|Ga0495776_028697: 24,420-34,237 (-)
SAMN10080913_a1_ct4952_vs1: 28,179-38,335 (-)
IMGVR_UViG_3300045988_141850|3300045988|Ga0495776_069086: 25,364-35,151 (-)
IMGVR_UViG_3300045988_145442|3300045988|Ga0495776_028624: 23,921-34,181 (-)
HNH endonuclease (CDS_0033)
uvig_242479: 26,234-36,941 (-)
uvig_242780: 26,505-37,052 (-)
SAMEA2737774_a1_ct39412: 26,070-36,338 (-)
IMGVR_UViG_3300008705_000007|3300008705|Ga0113869_1000339: 29,887-40,107 (-)
IMGVR_UViG_3300045988_169817|3300045988|Ga0495776_008793: 25,442-35,662 (-)
IMGVR_UViG_3300045988_099881|3300045988|Ga0495776_165864: 26,508-36,959 (-)
SAMN10408170_a1_ct1652: 12,115-22,312 (-)
Ma_2019_SRR341686_NODE_233_length_48754_cov_5.572866: 24,267-34,257 (-)
HNH endonuclease (CDS_0034)
MGV-GENOME-4424898: 25,652-36,379 (-)
IMGVR_UViG_3300045988_121776|3300045988|Ga0495776_008760: 25,483-35,941 (-)
IMGVR_UViG_3300045988_138681|3300045988|Ga0495776_058218: 24,549-35,549 (-)
uvig_206712: 25,123-35,719 (-)
uvig_380939: 25,686-35,818 (-)
uvig_230329: 25,291-35,569 (-)
uvig_593049: 24,861-35,446 (-)
Ma_2019_SRR413570_NODE_340_length_48380_cov_5.421645: 10,694-21,136 (+)
uvig_156883: 11,829-22,633 (+)
MGV-GENOME-0296856: 25,253-36,057 (-)
MGV-GENOME-0232222: 12,163-22,435 (+)
IMGVR_UViG_3300045988_077396|3300045988|Ga0495776_047119: 23,753-34,583 (-)
uvig_150805: 24,034-34,580 (-)
IMGVR_UViG_3300045988_126445|3300045988|Ga0495776_144443: 25,332-36,173 (-)
IMGVR_UViG_3300045988_121803|3300045988|Ga0495776_068872: 22,518-33,857 (-)
HNH endonuclease (CDS_0027)
MGV-GENOME-0311518: 24,255-35,178 (-)
MGV-GENOME-0312988: 25,968-36,767 (-)
HNH endonuclease (CDS_0016)
MGV-GENOME-0185579: 5,533-16,027 (-)
uvig_147915: 21,748-32,635 (-)
uvig_378344: 11,720-22,243 (-)
uvig_241440: 12,151-22,283 (+)
IMGVR_UViG_3300014540_000004|3300014540|Ga0134446_100156: 24,442-35,295 (-)
IMGVR_UViG_3300045988_095937|3300045988|Ga0495776_029696: 24,883-35,752 (-)
IMGVR_UViG_3300045988_143016|3300045988|Ga0495776_114519: 28,087-38,782 (-)
IMGVR_UViG_3300045988_128179|3300045988|Ga0495776_010184: 24,596-35,239 (-)
uvig_205531: 23,608-34,424 (-)
IMGVR_UViG_3300045988_132770|3300045988|Ga0495776_058089: 24,855-35,923 (-)
MGV-GENOME-0301240: 23,043-33,925 (-)
HNH endonuclease (CDS_0031)
OTU_1439: 11,200-22,975 (+)
nucleotide kinase (CDS_0022)
uvig_234090: 10,711-21,798 (+)
HNH endonuclease (CDS_0033)
IMGVR_UViG_3300045988_172722|3300045988|Ga0495776_000892: 27,371-38,713 (-)
IMGVR_UViG_3300045988_172164|3300045988|Ga0495776_010651: 25,690-36,616 (-)
HNH endonuclease (CDS_0014)
uvig_569808: 4,783-13,768 (-)
HNH endonuclease (CDS_0037)
SAMN11252269_a1_ct8688: 27,777-37,049 (-)
HNH endonuclease (CDS_0032)
MGV-GENOME-0312372: 24,891-36,116 (-)
HNH endonuclease (CDS_0015)
uvig_200228: 4,751-13,929 (-)
HNH endonuclease (CDS_0033)
MGV-GENOME-0311539: 25,011-35,515 (-)
HNH endonuclease (CDS_0020)
uvig_45976_: 7,115-16,155 (+)
HNH endonuclease (CDS_0036)
MGV-GENOME-0310256: 26,491-36,852 (-)
HNH endonuclease (CDS_0032)
MGV-GENOME-0219148: 12,928-22,141 (+)
HNH endonuclease (CDS_0032)
IMGVR_UViG_3300045988_122054|3300045988|Ga0495776_010217: 24,610-35,059 (-)
uvig_278560: 28,028-38,204 (-)
MGV-GENOME-0305848: 26,240-36,982 (-)
IMGVR_UViG_3300045988_095707|3300045988|Ga0495776_047444: 28,145-38,152 (-)
uvig_37497: 9,837-18,787 (+)
IMGVR_UViG_3300045988_130649|3300045988|Ga0495776_008761: 28,120-38,321 (-)
HNH endonuclease (CDS_0040)
IMGVR_UViG_3300045988_138667|3300045988|Ga0495776_000276: 27,780-39,029 (-)
uvig_519466: 26,255-36,603 (-)
IMGVR_UViG_3300045988_122602|3300045988|Ga0495776_078294: 27,472-38,422 (-)
dUTPase (CDS_0045)
uvig_470876: 31,250-41,822 (-)
4000 nt
DNA, RNA and nucleotide metabolism
other
unknown function
anti-defence (dbAPIS)
tRNA
pseudogene