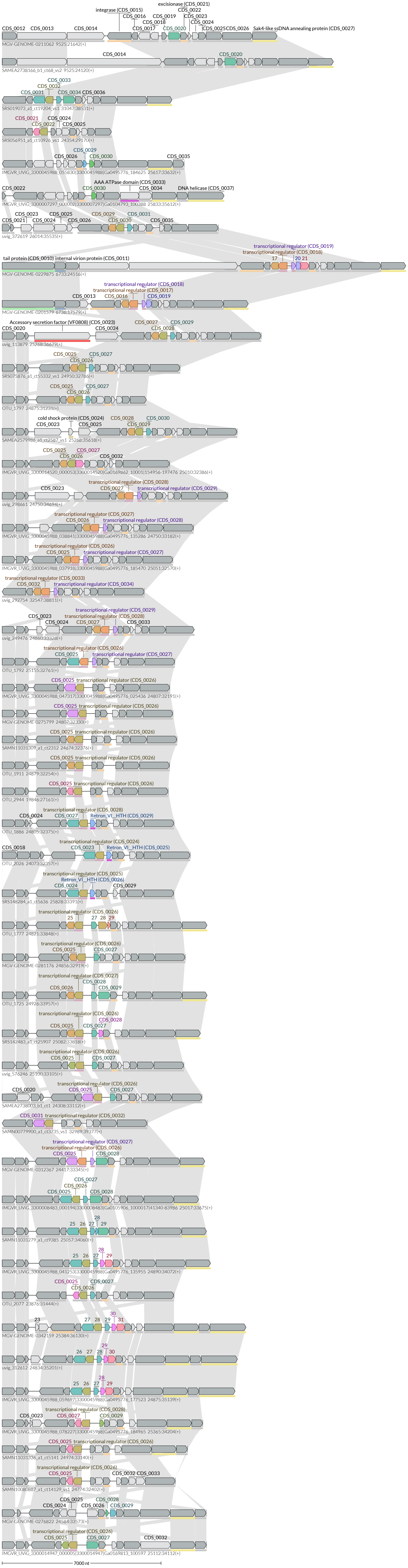
excisionase (CDS_0021)
integrase (CDS_0015)
CDS_0022
CDS_0016
CDS_0019
CDS_0018
CDS_0023
CDS_0024
CDS_0012
CDS_0013
CDS_0014
CDS_0017
CDS_0020
CDS_0025
CDS_0026
Sak4-like ssDNA annealing protein (CDS_0027)
MGV-GENOME-0211062 9525:21642(+)
CDS_0014
CDS_0020
SAMEA2738166_b1_ct68_vs2 9525:24120(+)
CDS_0033
CDS_0032
CDS_0031
CDS_0034
CDS_0036
SRS019073_a1_ct19204_vs1 31047:38531(+)
CDS_0021
CDS_0024
CDS_0022
CDS_0025
SRS056951_a1_ct10926_vs1 24354:29170(+)
CDS_0029
CDS_0026
CDS_0030
CDS_0035
IMGVR_UViG_3300045988_055830|3300045988|Ga0495776_184625 25617:33632(+)
AAA ATPase domain (CDS_0033)
CDS_0022
CDS_0030
CDS_0034
DNA helicase (CDS_0037)
IMGVR_UViG_3300007297_000002|3300007297|Ga0104793_100388 25833:35612(+)
CDS_0023
CDS_0025
CDS_0029
CDS_0031
CDS_0021
CDS_0024
CDS_0026
CDS_0030
CDS_0035
uvig_372619 26014:35535(+)
transcriptional regulator (CDS_0019)
transcriptional regulator (CDS_0018)
tail protein (CDS_0010)
internal virion protein (CDS_0011)
17
20
21
MGV-GENOME-0229875 6733:24516(+)
transcriptional regulator (CDS_0018)
transcriptional regulator (CDS_0017)
CDS_0013
CDS_0016
CDS_0019
MGV-GENOME-0201579 6736:17579(+)
Accessory secretion factor (VF0808) (CDS_0023)
CDS_0027
CDS_0029
CDS_0020
CDS_0024
CDS_0028
uvig_113879 25268:36679(+)
CDS_0025
CDS_0027
CDS_0026
SRS075876_a1_ct55332_vs1 24950:32786(+)
CDS_0025
CDS_0027
CDS_0026
OTU_1797 24875:31231(+)
cold shock protein (CDS_0024)
CDS_0028
CDS_0030
CDS_0023
CDS_0025
CDS_0029
SAMEA2579986_a1_ct2587_vs1 25268:35618(+)
CDS_0025
CDS_0027
CDS_0026
CDS_0032
IMGVR_UViG_3300014520_000053|3300014520|Ga0169862_10001|154956-197476 25010:32386(+)
transcriptional regulator (CDS_0028)
CDS_0023
CDS_0027
transcriptional regulator (CDS_0029)
uvig_298661 24750:34694(+)
transcriptional regulator (CDS_0027)
CDS_0026
transcriptional regulator (CDS_0028)
IMGVR_UViG_3300045988_038841|3300045988|Ga0495776_135286 24750:33182(+)
transcriptional regulator (CDS_0026)
CDS_0025
transcriptional regulator (CDS_0027)
IMGVR_UViG_3300045988_037918|3300045988|Ga0495776_185470 25051:32570(+)
transcriptional regulator (CDS_0033)
CDS_0032
transcriptional regulator (CDS_0034)
uvig_292754 32547:38811(+)
transcriptional regulator (CDS_0029)
CDS_0023
transcriptional regulator (CDS_0028)
CDS_0024
CDS_0027
CDS_0033
uvig_249476 24860:33328(+)
transcriptional regulator (CDS_0026)
CDS_0025
transcriptional regulator (CDS_0027)
OTU_1792 25155:32761(+)
CDS_0025
transcriptional regulator (CDS_0026)
IMGVR_UViG_3300045988_047317|3300045988|Ga0495776_025436 24807:32191(+)
CDS_0025
transcriptional regulator (CDS_0026)
MGV-GENOME-0275799 24807:32330(+)
CDS_0025
transcriptional regulator (CDS_0026)
SAMN11031309_a1_ct2312 24674:32376(+)
CDS_0025
transcriptional regulator (CDS_0026)
OTU_1911 24879:32254(+)
CDS_0025
transcriptional regulator (CDS_0026)
OTU_2944 19846:27161(+)
transcriptional regulator (CDS_0028)
CDS_0024
CDS_0027
Retron_VI__HTH (CDS_0029)
OTU_1886 24805:32375(+)
transcriptional regulator (CDS_0024)
CDS_0018
CDS_0023
Retron_VI__HTH (CDS_0025)
OTU_2026 24073:32357(+)
transcriptional regulator (CDS_0025)
Retron_VI__HTH (CDS_0026)
CDS_0024
CDS_0029
SRS148284_a1_ct5636 25828:33391(+)
transcriptional regulator (CDS_0026)
25
27
28
29
OTU_1777 24821:33848(+)
transcriptional regulator (CDS_0026)
CDS_0025
CDS_0027
MGV-GENOME-0281176 24856:32919(+)
transcriptional regulator (CDS_0027)
CDS_0028
CDS_0026
CDS_0029
OTU_1725 24926:33957(+)
transcriptional regulator (CDS_0026)
CDS_0028
CDS_0025
CDS_0027
SRS142483_a1_ct25907 25082:33818(+)
transcriptional regulator (CDS_0026)
CDS_0025
CDS_0027
uvig_576246 25100:33105(+)
transcriptional regulator (CDS_0026)
CDS_0020
CDS_0025
CDS_0027
SAMEA2738003_b1_ct1 24308:33112(+)
CDS_0031
transcriptional regulator (CDS_0032)
SAMN00779900_a1_ct3735_vs1 32989:39377(+)
transcriptional regulator (CDS_0027)
transcriptional regulator (CDS_0026)
CDS_0025
CDS_0028
MGV-GENOME-0312367 24417:33345(+)
CDS_0027
CDS_0026
CDS_0025
CDS_0028
IMGVR_UViG_3300008483_000194|3300008483|Ga0105906_1000017|41340-83986 25017:33675(+)
28
25
26
27
29
SAMN11031279_a1_ct9385 25057:34060(+)
28
25
26
27
29
IMGVR_UViG_3300045988_041253|3300045988|Ga0495776_135955 24890:34072(+)
CDS_0025
CDS_0027
CDS_0026
OTU_2077 23876:31444(+)
30
23
27
28
29
31
MGV-GENOME-0342159 25384:36130(+)
29
26
27
28
30
uvig_312612 24834:35201(+)
28
25
26
27
29
IMGVR_UViG_3300045988_059697|3300045988|Ga0495776_177523 24875:35139(+)
transcriptional regulator (CDS_0028)
CDS_0023
CDS_0027
CDS_0029
IMGVR_UViG_3300045988_078227|3300045988|Ga0495776_184965 25365:34204(+)
CDS_0025
transcriptional regulator (CDS_0026)
SAMN11031336_a1_ct5141 24974:33140(+)
transcriptional regulator (CDS_0026)
CDS_0025
CDS_0032
CDS_0033
SAMN10080887_a1_ct14129_vs1 24774:32402(+)
CDS_0025
CDS_0028
CDS_0024
CDS_0026
CDS_0029
MGV-GENOME-0276822 24584:33573(+)
transcriptional regulator (CDS_0026)
CDS_0025
CDS_0027
CDS_0032
IMGVR_UViG_3300014947_000005|3300014947|Ga0169813_100597 25112:34112(+)
7000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
other
tail
transcription regulation
unknown function
Defence
Virulence