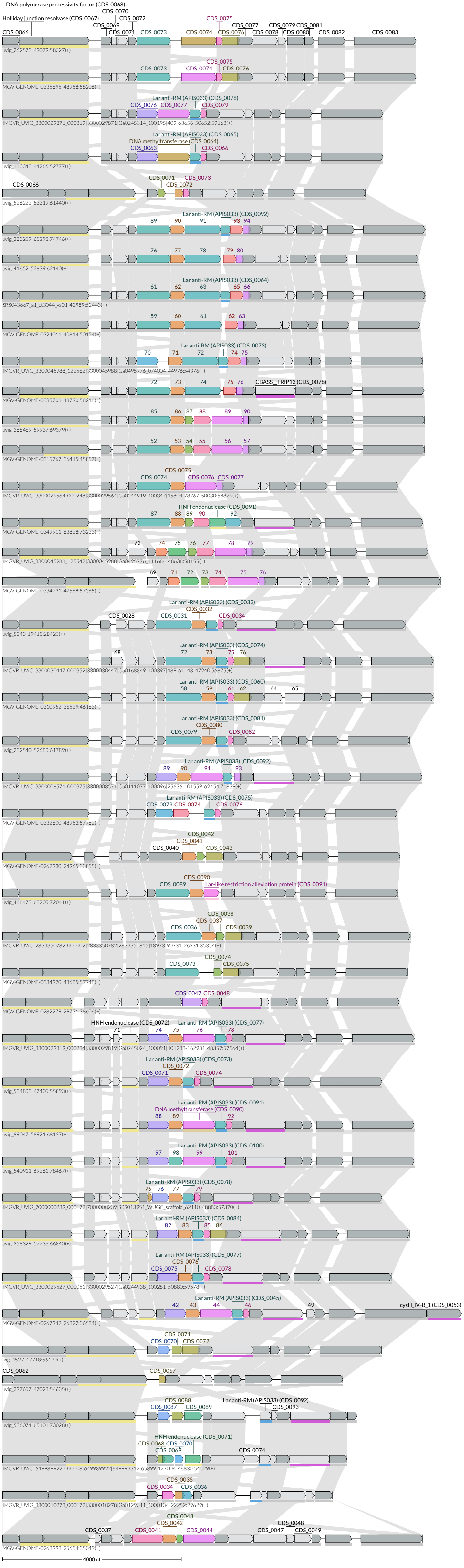
DNA polymerase processivity factor (CDS_0068)
CDS_0070
Holliday junction resolvase (CDS_0067)
CDS_0072
CDS_0069
CDS_0075
CDS_0077
CDS_0079 CDS_0081
CDS_0066
CDS_0071
CDS_0073
CDS_0074
CDS_0076
CDS_0078
CDS_0080
CDS_0082
CDS_0083
uvig_262573 49079:58327(+)
MGV-GENOME-0335695 48958:58206(+)
Lar anti-RM (APIS033) (CDS_0078)
CDS_0079
IMGVR_UViG_3300029871_000319|3300029871|Ga0245314_100195|409-63656 50652:59163(+)
Lar anti-RM (APIS033) (CDS_0065)
DNA methyltransferase (CDS_0064)
CDS_0063
uvig_183343 44266:52777(+)
uvig_526222 53319:61440(+)
Lar anti-RM (APIS033) (CDS_0092)
uvig_283259 65293:74746(+)
uvig_41652 52839:62140(+)
Lar anti-RM (APIS033) (CDS_0064)
SRS043667_a1_ct3044_vs01 42989:52443(+)
MGV-GENOME-0324011 40814:50154(+)
Lar anti-RM (APIS033) (CDS_0073)
IMGVR_UViG_3300045988_122562|3300045988|Ga0495776_074004 44976:54376(+)
CBASS_TRIP13 (CDS_0078)
MGV-GENOME-0335708 48790:58218(+)
uvig_288469 59937:69379(+)
MGV-GENOME-0315767 36415:45857(+)
IMGVR_UViG_3300029564_000248|3300029564|Ga0244919_100347|15804-78767 50030:58879(+)
HNH endonuclease (CDS_0091)
MGV-GENOME-0349911 63828:73233(+)
IMGVR_UViG_3300045988_125542|3300045988|Ga0495776_111684 48638:58155(+)
MGV-GENOME-0334221 47568:57365(+)
Lar anti-RM (APIS033) (CDS_0033)
CDS_0032
CDS_0028
CDS_0031
CDS_0034
uvig_5343 19415:28423(+)
Lar anti-RM (APIS033) (CDS_0074)
IMGVR_UViG_3300030447_000352|3300030447|Ga0168849_100397|189-61148 47240:56875(+)
Lar anti-RM (APIS033) (CDS_0060)
MGV-GENOME-0310952 36529:46163(+)
Lar anti-RM (APIS033) (CDS_0081)
CDS_0080
CDS_0079
CDS_0082
uvig_232540 52680:61789(+)
Lar anti-RM (APIS033) (CDS_0092)
IMGVR_UViG_3300008571_000375|3300008571|Ga0111077_100096|25636-101559 62454:71839(+)
Lar anti-RM (APIS033) (CDS_0075)
CDS_0073 CDS_0074
CDS_0076
MGV-GENOME-0332600 48953:57782(+)
CDS_0042
CDS_0041
CDS_0040
CDS_0043
MGV-GENOME-0262930 24965:33855(+)
CDS_0090
CDS_0089
Lar-like restriction alleviation protein (CDS_0091)
uvig_488473 63205:72041(+)
CDS_0038
CDS_0037
CDS_0036
CDS_0039
IMGVR_UViG_2833350782_000002|2833350782|2833350815|18973-90731 26231:35354(+)
CDS_0074
CDS_0073
CDS_0075
MGV-GENOME-0334970 48685:57748(+)
CDS_0047 CDS_0048
MGV-GENOME-0282279 29731:38606(+)
HNH endonuclease (CDS_0072)
Lar anti-RM (APIS033) (CDS_0077)
IMGVR_UViG_3300029819_000234|3300029819|Ga0245024_100091|101283-162931 48357:57564(+)
Lar anti-RM (APIS033) (CDS_0073)
CDS_0072
CDS_0071
CDS_0074
uvig_534803 47405:55893(+)
Lar anti-RM (APIS033) (CDS_0091)
DNA methyltransferase (CDS_0090)
uvig_99047 58921:68127(+)
Lar anti-RM (APIS033) (CDS_0100)
uvig_540911 69261:78467(+)
Lar anti-RM (APIS033) (CDS_0078)
IMGVR_UViG_7000000239_000172|7000000239|SRS013951_WUGC_scaffold_62110 48883:57370(+)
Lar anti-RM (APIS033) (CDS_0084)
uvig_258329 57736:66840(+)
Lar anti-RM (APIS033) (CDS_0077)
CDS_0076
CDS_0075
CDS_0078
IMGVR_UViG_3300029527_000051|3300029527|Ga0244938_100281 50880:59578(+)
Lar anti-RM (APIS033) (CDS_0045)
cysH_IV-B_1 (CDS_0053)
MGV-GENOME-0267942 26322:36584(+)
CDS_0071
CDS_0070
CDS_0072
ivig_4527 47718:56199(+)
CDS_0062
CDS_0067
uvig_397657 47023:54635(+)
CDS_0088
CDS_0087
CDS_0089
Lar anti-RM (APIS033) (CDS_0092)
CDS_0093
uvig_536074 65101:73028(+)
HNH endonuclease (CDS_0071)
CDS_0068 CDS_0070
CDS_0069
CDS_0074
IMGVR_UViG_649989922_000008|649989922|649993312|65899-127004 46830:54529(+)
CDS_0035
CDS_0034
CDS_0036
IMGVR_UViG_3300010278_000172|3300010278|Ga0129311_1000134 22252:29629(+)
CDS_0043
CDS_0042
CDS_0037
CDS_0041
CDS_0044
CDS_0048
CDS_0047
CDS_0049
MGV-GENOME-0263993 25654:35049(+)
4000 nt
DNA, RNA and nucleotide metabolism
moron, auxiliary metabolic gene and host takeover
other
unknown function
Defence
Anti-defence