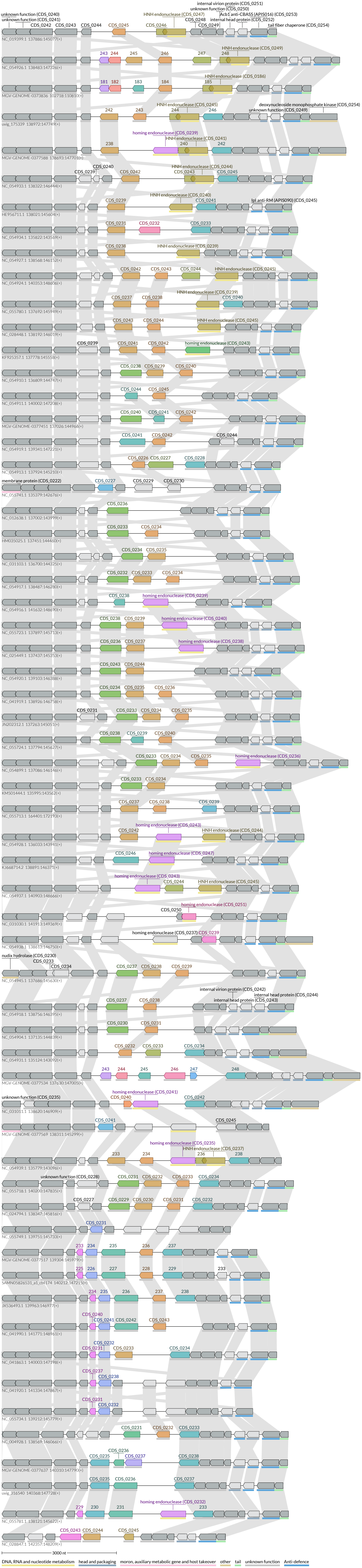
internal virion protein (CDS_0251)
unknown function (CDS_0250)
unknown function (CDS_0240)
unknown function (CDS_0241)
HNH endonuclease (CDS_0247)
Acb1 anti-CBASS (APIS016) (CDS_0253)
CDS_0248
internal head protein (CDS_0252)
CDS_0242
CDS_0243
CDS_0244
CDS_0245
CDS_0246
CDS_0249
tail fiber chaperone (CDS_0254)
NC_019399.1 137886:145077(+)
HNH endonuclease (CDS_0249)
243
244
245
246
247
248
NC_054926.1 138483:147326(+)
HNH endonuclease (CDS_0186)
181
182
183
184
185
MGV-GENOME-0373836 102718:110810(+)
HNH endonuclease (CDS_0245)
deoxynucleoside monophosphate kinase (CDS_0254)
242
243
244
246
unknown function (CDS_0249)
uvig_175339 138972:147749(+)
homing endonuclease (CDS_0239)
HNH endonuclease (CDS_0241)
238
240
242
MGV-GENOME-0377588 138693:147701(+)
CDS_0240
CDS_0239
CDS_0242
HNH endonuclease (CDS_0244)
CDS_0243
CDS_0245
NC_054933.1 138322:146444(+)
HNH endonuclease (CDS_0240)
CDS_0239
CDS_0241
Ipl anti-RM (APIS090) (CDS_0245)
HE956711.1 138021:145604(+)
CDS_0231
CDS_0232
CDS_0233
NC_054934.1 135822:143569(+)
CDS_0238
HNH endonuclease (CDS_0239)
NC_054927.1 138568:146152(+)
CDS_0242
CDS_0243
CDS_0244
HNH endonuclease (CDS_0245)
NC_054924.1 140353:148606(+)
HNH endonuclease (CDS_0239)
CDS_0237
CDS_0238
CDS_0240
NC_055780.1 137692:145949(+)
CDS_0243
CDS_0244
HNH endonuclease (CDS_0245)
NC_028448.1 138192:146019(+)
CDS_0239
CDS_0241
CDS_0242
homing endonuclease (CDS_0243)
KF925357.1 137778:145558(+)
CDS_0238
CDS_0239
CDS_0240
NC_054910.1 136809:144747(+)
CDS_0244
CDS_0245
NC_054911.1 140002:147208(+)
CDS_0240
CDS_0241
CDS_0242
MGV-GENOME-0377451 137026:144966(+)
CDS_0241
CDS_0242
CDS_0244
NC_054919.1 139341:147221(+)
CDS_0226
CDS_0227
CDS_0228
NC_054913.1 137924:145210(+)
membrane protein (CDS_0222)
CDS_0227
CDS_0229
CDS_0230
NC_055741.1 135379:142676(+)
CDS_0236
NC_012638.1 137002:143999(+)
CDS_0233
CDS_0234
HM035025.1 137451:144460(+)
CDS_0234
CDS_0235
NC_031103.1 136700:144325(+)
CDS_0232
CDS_0233
CDS_0234
NC_054917.1 138487:146280(+)
CDS_0238
homing endonuclease (CDS_0239)
NC_054916.1 141632:148690(+)
CDS_0238
CDS_0239
homing endonuclease (CDS_0240)
NC_055723.1 137897:145713(+)
CDS_0236
CDS_0237
homing endonuclease (CDS_0238)
NC_025449.1 137437:145353(+)
CDS_0243
CDS_0244
NC_054920.1 139103:146388(+)
CDS_0234
CDS_0235
CDS_0236
NC_041919.1 138926:146758(+)
CDS_0231
CDS_0233
CDS_0234
CDS_0235
JN202312.1 137263:145051(+)
CDS_0238
CDS_0239
CDS_0240
NC_055724.1 137794:145627(+)
CDS_0233
CDS_0234
CDS_0235
homing endonuclease (CDS_0236)
NC_054899.1 137086:146146(+)
CDS_0233
CDS_0234
KM501444.1 135995:143562(+)
CDS_0237
CDS_0238
CDS_0239
NC_055713.1 164401:172193(+)
homing endonuclease (CDS_0243)
CDS_0242
HNH endonuclease (CDS_0244)
NC_054928.1 136033:143941(+)
CDS_0246
homing endonuclease (CDS_0247)
KJ668714.2 138891:146371(+)
homing endonuclease (CDS_0243)
CDS_0244
HNH endonuclease (CDS_0245)
NC_054937.1 140903:148666(+)
homing endonuclease (CDS_0251)
CDS_0250
NC_031030.1 141913:149369(+)
homing endonuclease (CDS_0237)
CDS_0239
NC_054938.1 138613:146750(+)
nudix hydrolase (CDS_0230)
CDS_0233
CDS_0234
CDS_0237
CDS_0238
CDS_0239
NC_054945.1 137686:145630(+)
internal virion protein (CDS_0242)
internal head protein (CDS_0244)
internal head protein (CDS_0243)
CDS_0237
CDS_0238
NC_054918.1 138756:146395(+)
CDS_0230
CDS_0231
NC_054904.1 137135:144839(+)
CDS_0232
CDS_0233
CDS_0234
NC_054931.1 135124:143092(+)
243
244
245
246
247
248
MGV-GENOME-0377534 137630:147005(+)
homing endonuclease (CDS_0241)
unknown function (CDS_0235)
CDS_0240
CDS_0242
NC_031011.1 138620:146909(+)
CDS_0241
CDS_0245
MGV-GENOME-0377569 138311:145299(+)
homing endonuclease (CDS_0235)
HNH endonuclease (CDS_0237)
233
234
236
238
NC_054939.1 135779:143096(+)
unknown function (CDS_0228)
CDS_0231
CDS_0232
CDS_0233
CDS_0234
NC_055718.1 140200:147835(+)
CDS_0227
CDS_0229
CDS_0230
CDS_0231
CDS_0232
NC_024794.1 138347:145816(+)
CDS_0231
NC_055749.1 139751:145733(+)
233
234
235
236
237
MGV-GENOME-0377517 139304:145979(+)
225
226
227
228
229
233
SAMN05826531_a1_ct4174 140212:147215(+)
234
235
236
237
238
JX536493.1 139963:146977(+)
CDS_0240
CDS_0241
CDS_0242
CDS_0243
NC_041990.1 141771:148961(+)
CDS_0232
CDS_0231
CDS_0233
CDS_0234
NC_041863.1 140003:147198(+)
CDS_0237
CDS_0238
NC_041920.1 141334:147867(+)
CDS_0231
CDS_0232
NC_055734.1 139212:145779(+)
CDS_0231
CDS_0232
CDS_0233
NC_004928.1 138569:146066(+)
CDS_0236
CDS_0235
CDS_0237
CDS_0238
MGV-GENOME-0377637 140310:147790(+)
CDS_0235
CDS_0236
CDS_0237
uvig_316540 140368:147728(+)
homing endonuclease (CDS_0232)
229
230
231
233
NC_055781.1 138121:145622(+)
CDS_0243
CDS_0244
CDS_0245
NC_028847.1 142357:148209(+)
3000 nt
DNA, RNA and nucleotide metabolism
head and packaging
moron, auxiliary metabolic gene and host takeover
other
tail
unknown function
Anti-defence