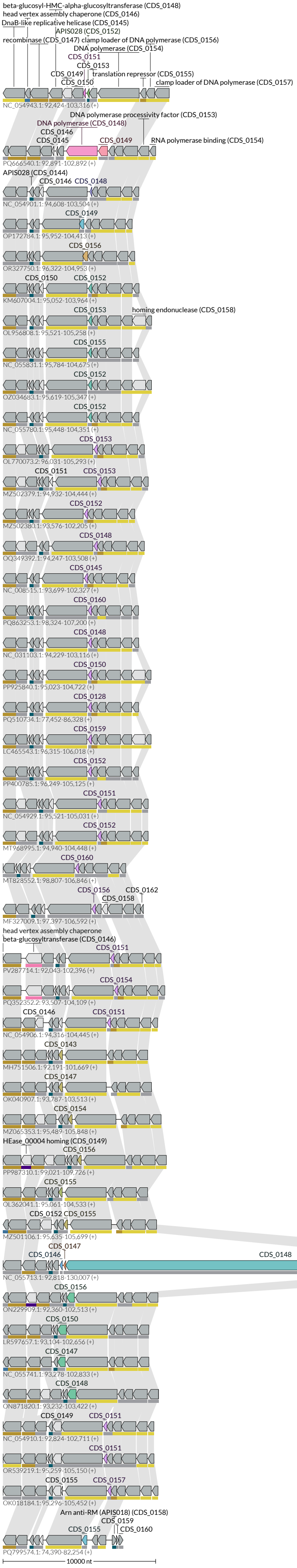
beta-glucosyl-HMC-alpha-glucosyltransferase (CDS_0148)
head vertex assembly chaperone (CDS_0146)
DnaB-like replicative helicase (CDS_0145)
APIS028 (CDS_0152)
recombinase (CDS_0147)
clamp loader of DNA polymerase (CDS_0156)
DNA polymerase (CDS_0154)
CDS_0151
CDS_0153
CDS_0149
translation repressor (CDS_0155)
CDS_0150
clamp loader of DNA polymerase (CDS_0157)
NC_054943.1: 92,424-103,316 (+)
DNA polymerase processivity factor (CDS_0153)
DNA polymerase (CDS_0148)
CDS_0146
CDS_0145
CDS_0149
RNA polymerase binding (CDS_0154)
PQ666540.1: 92,891-102,892 (+)
APIS028 (CDS_0144)
CDS_0146
CDS_0148
NC_054901.1: 94,608-103,504 (+)
CDS_0149
OP172784.1: 95,952-104,413 (+)
CDS_0156
OR327750.1: 96,322-104,953 (+)
CDS_0150
CDS_0152
KM607004.1: 95,052-103,964 (+)
CDS_0153
homing endonuclease (CDS_0158)
OL956808.1: 95,521-105,258 (+)
CDS_0155
NC_055831.1: 95,784-104,675 (+)
CDS_0152
OZ034683.1: 95,619-105,347 (+)
CDS_0152
NC_055780.1: 95,448-104,351 (+)
CDS_0153
OL770073.2: 96,031-105,293 (+)
CDS_0151
CDS_0153
MZ502379.1: 94,932-104,444 (+)
CDS_0152
MZ502380.1: 93,576-102,205 (+)
CDS_0148
OQ349392.1: 94,247-103,508 (+)
CDS_0145
NC_008515.1: 93,699-102,327 (+)
CDS_0160
PQ863253.1: 98,324-107,200 (+)
CDS_0148
NC_031103.1: 94,229-103,116 (+)
CDS_0150
PP925840.1: 95,023-104,722 (+)
CDS_0128
PQ510734.1: 77,452-86,328 (+)
CDS_0159
LC465543.1: 96,315-106,018 (+)
CDS_0152
PP400785.1: 96,249-105,125 (+)
CDS_0151
NC_054929.1: 95,521-105,031 (+)
CDS_0152
MT968995.1: 94,940-104,448 (+)
CDS_0160
MT828552.1: 98,807-106,846 (+)
CDS_0156
CDS_0162
CDS_0158
MF327009.1: 97,397-106,592 (+)
head vertex assembly chaperone
beta-glucosyltransferase (CDS_0146)
CDS_0151
PV287714.1: 92,043-102,396 (+)
CDS_0154
PQ352352.2: 93,507-104,109 (+)
CDS_0146
CDS_0151
NC_054906.1: 94,316-104,445 (+)
CDS_0143
MH751506.1: 92,191-101,669 (+)
CDS_0147
OK040907.1: 93,787-103,513 (+)
CDS_0154
MZ065353.1: 95,489-105,848 (+)
HEase_00004 homing (CDS_0149)
CDS_0156
PP987310.1: 99,021-109,726 (+)
CDS_0155
OL362041.1: 95,061-104,533 (+)
CDS_0152
CDS_0155
MZ501106.1: 95,635-105,699 (+)
CDS_0147
CDS_0146
CDS_0148
NC_055713.1: 92,818-130,007 (+)
CDS_0156
ON229909.1: 92,360-102,513 (+)
CDS_0150
LR597657.1: 93,104-102,656 (+)
CDS_0147
NC_055741.1: 93,278-102,833 (+)
CDS_0148
ON871820.1: 93,232-103,422 (+)
CDS_0149
CDS_0151
NC_054910.1: 92,824-102,711 (+)
CDS_0151
OR539219.1: 95,259-105,150 (+)
CDS_0155
CDS_0157
OK018184.1: 95,296-105,452 (+)
Arn anti-RM (APIS018) (CDS_0158)
CDS_0159
CDS_0155
CDS_0160
PQ799574.1: 74,390-82,254 (+)
10000 nt
DNA, RNA and nucleotide metabolism
head and packaging
moron, auxiliary metabolic gene and host takeover
other
unknown function
defence (PADLOC)
anti-defence (dbAPIS)