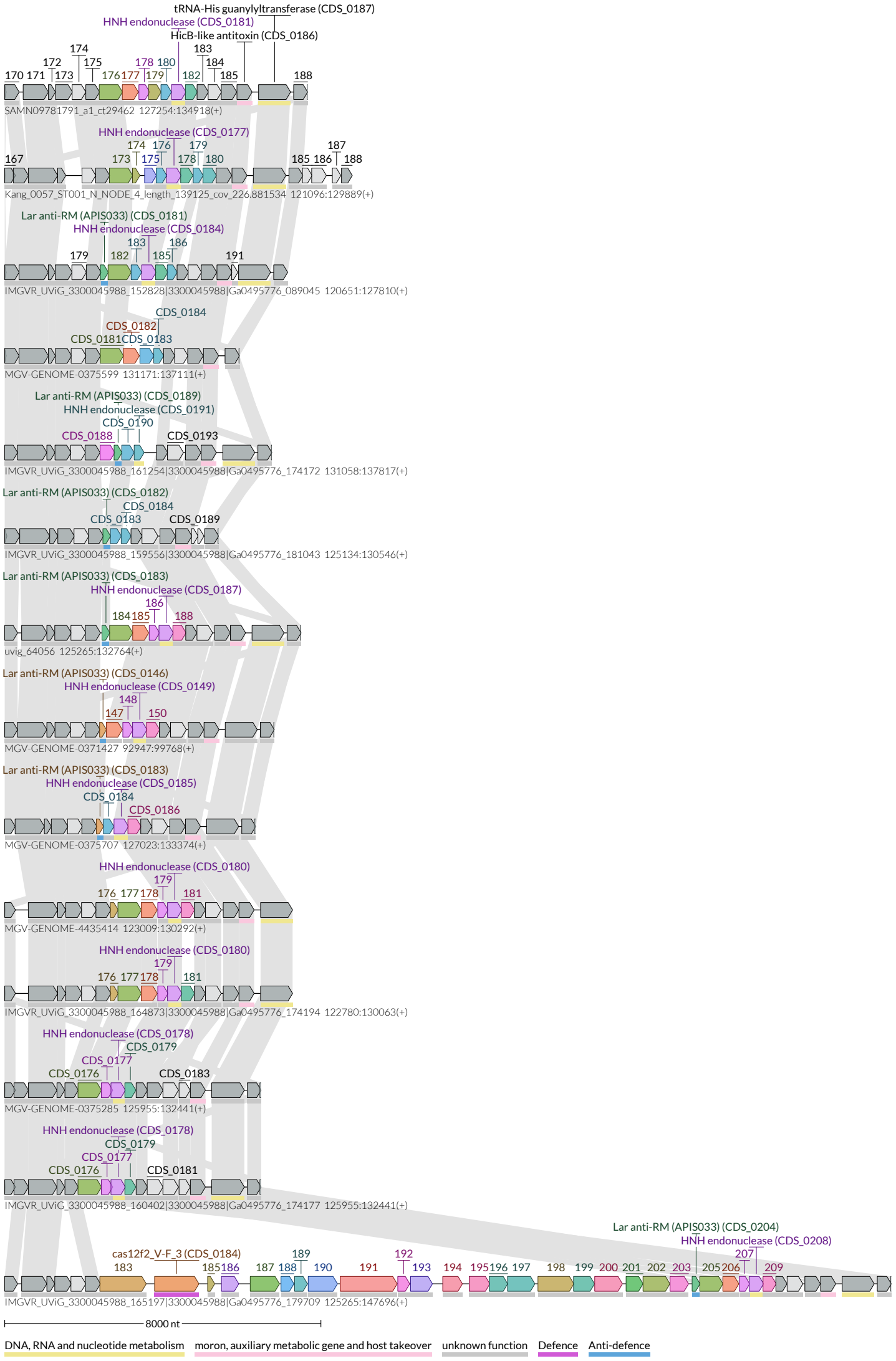
tRNA-His guanylyltransferase (CDS_0187)
HNH endonuclease (CDS_0181)
HicB-like antitoxin (CDS_0186)
170 171 172 173 174 175 176 177 178 179 180 182 183 184 185 188
SAMN09781791_a1_ct29462 127254:134918(+)
HNH endonuclease (CDS_0177)
167 173 174 175 176 178 179 180 185 186 187 188
Kang_0057_ST001_N_NODE_4_length_139125_cov_226.881534 121096:129889(+)
Lar anti-RM (APIS033) (CDS_0181)
HNH endonuclease (CDS_0184)
179 182 183 185 186 191
IMGVR_UViG_3300045988_152828|3300045988|Ga0495776_089045 120651:127810(+)
CDS_0184
CDS_0182
CDS_0181 CDS_0183
MGV-GENOME-0375599 131171:137111(+)
Lar anti-RM (APIS033) (CDS_0189)
HNH endonuclease (CDS_0191)
CDS_0190
CDS_0188
CDS_0193
IMGVR_UViG_3300045988_161254|3300045988|Ga0495776_174172 131058:137817(+)
Lar anti-RM (APIS033) (CDS_0182)
CDS_0184
CDS_0183
CDS_0189
IMGVR_UViG_3300045988_159556|3300045988|Ga0495776_181043 125134:130546(+)
Lar anti-RM (APIS033) (CDS_0183)
HNH endonuclease (CDS_0187)
186
184 185 188
uvig_64056 125265:132764(+)
Lar anti-RM (APIS033) (CDS_0146)
HNH endonuclease (CDS_0149)
148
147 150
MGV-GENOME-0371427 92947:99768(+)
Lar anti-RM (APIS033) (CDS_0183)
HNH endonuclease (CDS_0185)
CDS_0184
CDS_0186
MGV-GENOME-0375707 127023:133374(+)
HNH endonuclease (CDS_0180)
179
176 177 178 181
MGV-GENOME-4435414 123009:130292(+)
HNH endonuclease (CDS_0180)
179
176 177 178 181
IMGVR_UViG_3300045988_164873|3300045988|Ga0495776_174194 122780:130063(+)
HNH endonuclease (CDS_0178)
CDS_0179
CDS_0177
CDS_0176
CDS_0183
MGV-GENOME-0375285 125955:132441(+)
HNH endonuclease (CDS_0178)
CDS_0179
CDS_0177
CDS_0176
CDS_0181
IMGVR_UViG_3300045988_160402|3300045988|Ga0495776_174177 125955:132441(+)
Lar anti-RM (APIS033) (CDS_0204)
HNH endonuclease (CDS_0208)
207
cas12f2_V-F_3 (CDS_0184)
189
192
183 185 186 187 188 190 191 193 194 195 196 197 198 199 200 201 202 203 205 206 209
IMGVR_UViG_3300045988_165197|3300045988|Ga0495776_179709 125265:147696(+)
8000 nt
DNA, RNA and nucleotide metabolism
moron, auxiliary metabolic gene and host takeover
unknown function
Defence
Anti-defence