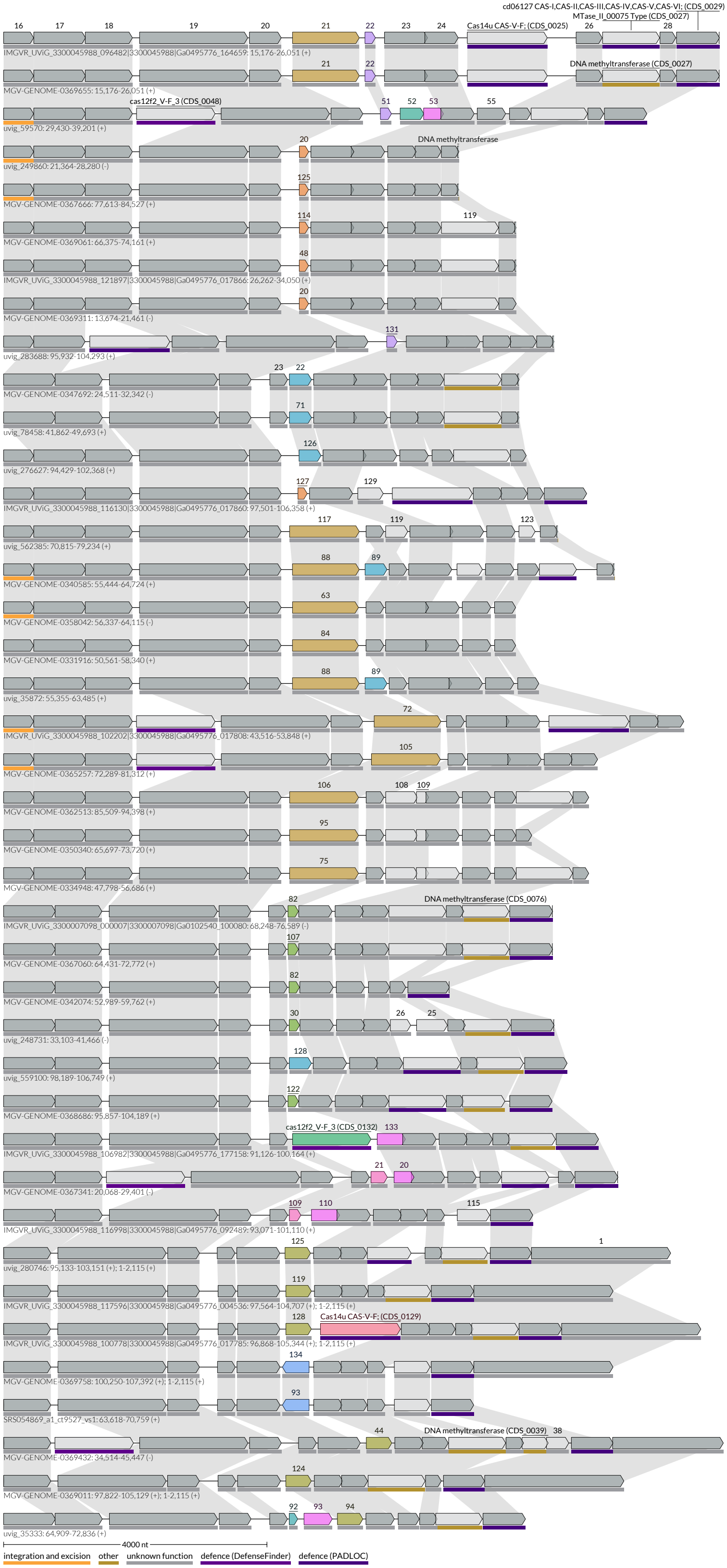
cd06127 CAS-I,CAS-II,CAS-III,CAS-IV,CAS-V,CAS-VI; (CDS_0029)
MTase_II_00075 Type (CDS_0027)
Cas14u CAS-V-F; (CDS_0025)
IMGVR_UViG_3300045988_096482|3300045988|Ga0495776_164659: 15,176-26,051 (+)
DNA methyltransferase (CDS_0027)
MGV-GENOME-0369655: 15,176-26,051 (+)
cas12f2_V-F_3 (CDS_0048)
uvig_59570: 29,430-39,201 (+)
DNA methyltransferase
uvig_249860: 21,364-28,280 (-)
MGV-GENOME-0367666: 77,613-84,527 (+)
MGV-GENOME-0369061: 66,375-74,161 (+)
IMGVR_UViG_3300045988_121897|3300045988|Ga0495776_017866: 26,262-34,050 (+)
MGV-GENOME-0369311: 13,674-21,461 (-)
uvig_283688: 95,932-104,293 (+)
MGV-GENOME-0347692: 24,511-32,342 (-)
uvig_78458: 41,862-49,693 (+)
uvig_276627: 94,429-102,368 (+)
IMGVR_UViG_3300045988_116130|3300045988|Ga0495776_017860: 97,501-106,358 (+)
uvig_562385: 70,815-79,234 (+)
MGV-GENOME-0340585: 55,444-64,724 (+)
MGV-GENOME-0358042: 56,337-64,115 (-)
MGV-GENOME-0331916: 50,561-58,340 (+)
uvig_35872: 55,355-63,485 (+)
IMGVR_UViG_3300045988_102202|3300045988|Ga0495776_017808: 43,516-53,848 (+)
MGV-GENOME-0365257: 72,289-81,312 (+)
MGV-GENOME-0362513: 85,509-94,398 (+)
MGV-GENOME-0350340: 65,697-73,720 (+)
MGV-GENOME-0334948: 47,798-56,686 (+)
DNA methyltransferase (CDS_0076)
IMGVR_UViG_3300007098_000007|3300007098|Ga0102540_100080: 68,248-76,589 (-)
MGV-GENOME-0367060: 64,431-72,772 (+)
MGV-GENOME-0342074: 52,989-59,762 (+)
uvig_248731: 33,103-41,466 (-)
uvig_559100: 98,189-106,749 (+)
MGV-GENOME-0368686: 95,857-104,189 (+)
cas12f2_V-F_3 (CDS_0132)
IMGVR_UViG_3300045988_106982|3300045988|Ga0495776_177158: 91,126-100,164 (+)
MGV-GENOME-0367341: 20,068-29,401 (-)
IMGVR_UViG_3300045988_116998|3300045988|Ga0495776_092489: 93,071-101,110 (+)
uvig_280746: 95,133-103,151 (+); 1-2,115 (+)
IMGVR_UViG_3300045988_117596|3300045988|Ga0495776_004536: 97,564-104,707 (+); 1-2,115 (+)
Cas14u CAS-V-F; (CDS_0129)
IMGVR_UViG_3300045988_100778|3300045988|Ga0495776_017785: 96,868-105,344 (+); 1-2,115 (+)
MGV-GENOME-0369758: 100,250-107,392 (+); 1-2,115 (+)
SRS054869_a1_ct9527_vs1: 63,618-70,759 (+)
DNA methyltransferase (CDS_0039)
MGV-GENOME-0369432: 34,514-45,447 (-)
MGV-GENOME-0369011: 97,822-105,129 (+); 1-2,115 (+)
uvig_35333: 64,909-72,836 (+)
4000 nt
integration and excision
other
unknown function
defence (DefenseFinder)
defence (PADLOC)