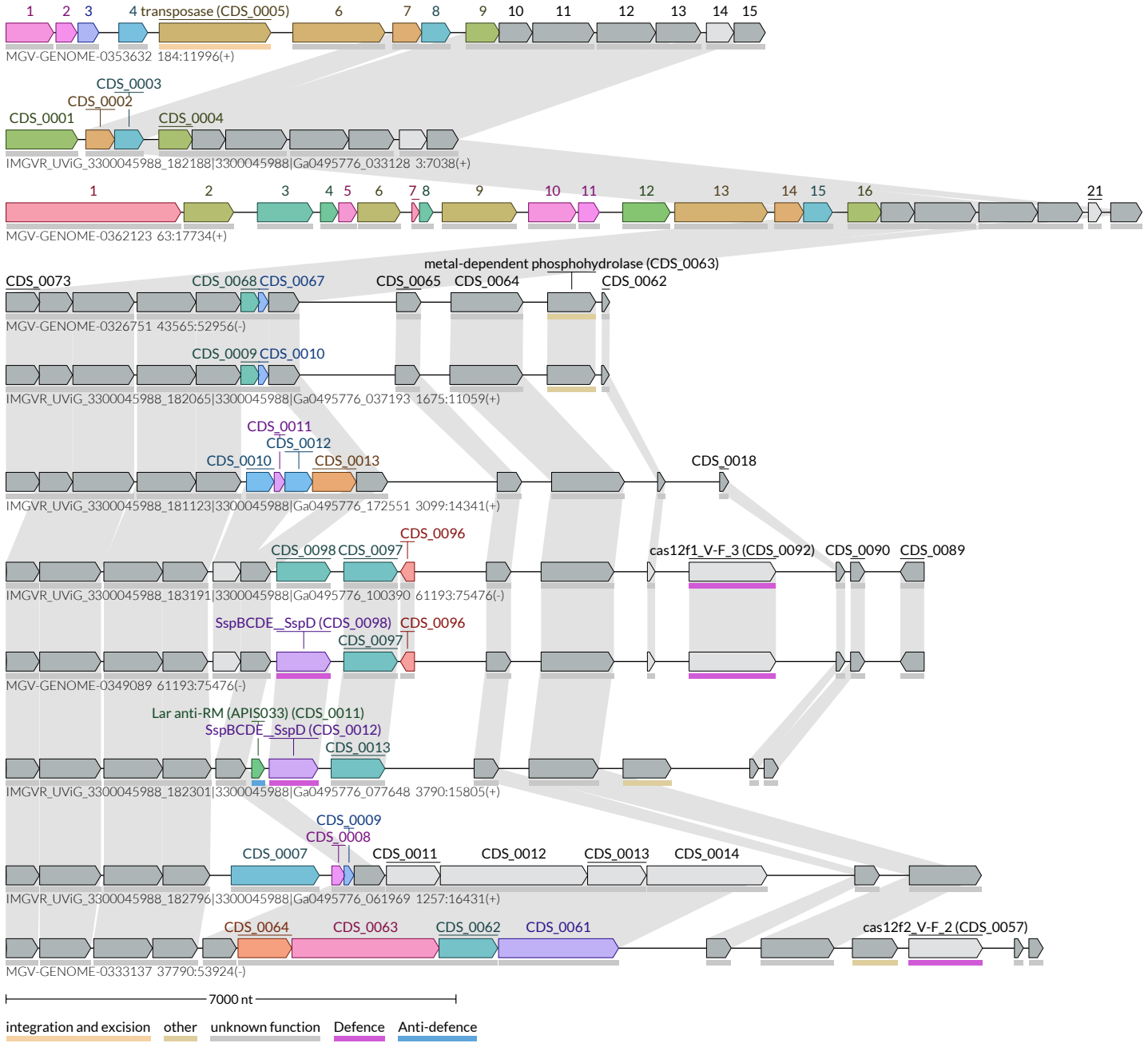
1
2
3
4 transposase (CDS_0005)
6
7
8
9
10
11
12
13
14
15
MGV-GENOME-0353632 184:11996(+)
CDS_0003
CDS_0002
CDS_0001
CDS_0004
IMGVR_UViG_3300045988_182188|3300045988|Ga0495776_033128 3:7038(+)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
21
MGV-GENOME-0362123 63:17734(+)
metal-dependent phosphohydrolase (CDS_0063)
CDS_0073
CDS_0068
CDS_0067
CDS_0065
CDS_0064
CDS_0062
MGV-GENOME-0326751 43565:52956(-)
CDS_0009
CDS_0010
IMGVR_UViG_3300045988_182065|3300045988|Ga0495776_037193 1675:11059(+)
CDS_0011
CDS_0012
CDS_0010
CDS_0013
CDS_0018
IMGVR_UViG_3300045988_181123|3300045988|Ga0495776_172551 3099:14341(+)
CDS_0096
CDS_0098
CDS_0097
cas12f1_V-F_3 (CDS_0092)
CDS_0090
CDS_0089
IMGVR_UViG_3300045988_183191|3300045988|Ga0495776_100390 61193:75476(-)
SspBCDE__SspD (CDS_0098)
CDS_0096
CDS_0097
MGV-GENOME-0349089 61193:75476(-)
Lar anti-RM (APIS033) (CDS_0011)
SspBCDE__SspD (CDS_0012)
CDS_0013
IMGVR_UViG_3300045988_182301|3300045988|Ga0495776_077648 3790:15805(+)
CDS_0009
CDS_0008
CDS_0007
CDS_0011
CDS_0012
CDS_0013
CDS_0014
IMGVR_UViG_3300045988_182796|3300045988|Ga0495776_061969 1257:16431(+)
CDS_0064
CDS_0063
CDS_0062
CDS_0061
cas12f2_V-F_2 (CDS_0057)
MGV-GENOME-0333137 37790:53924(-)
7000 nt
integration and excision
other
unknown function
Defence
Anti-defence