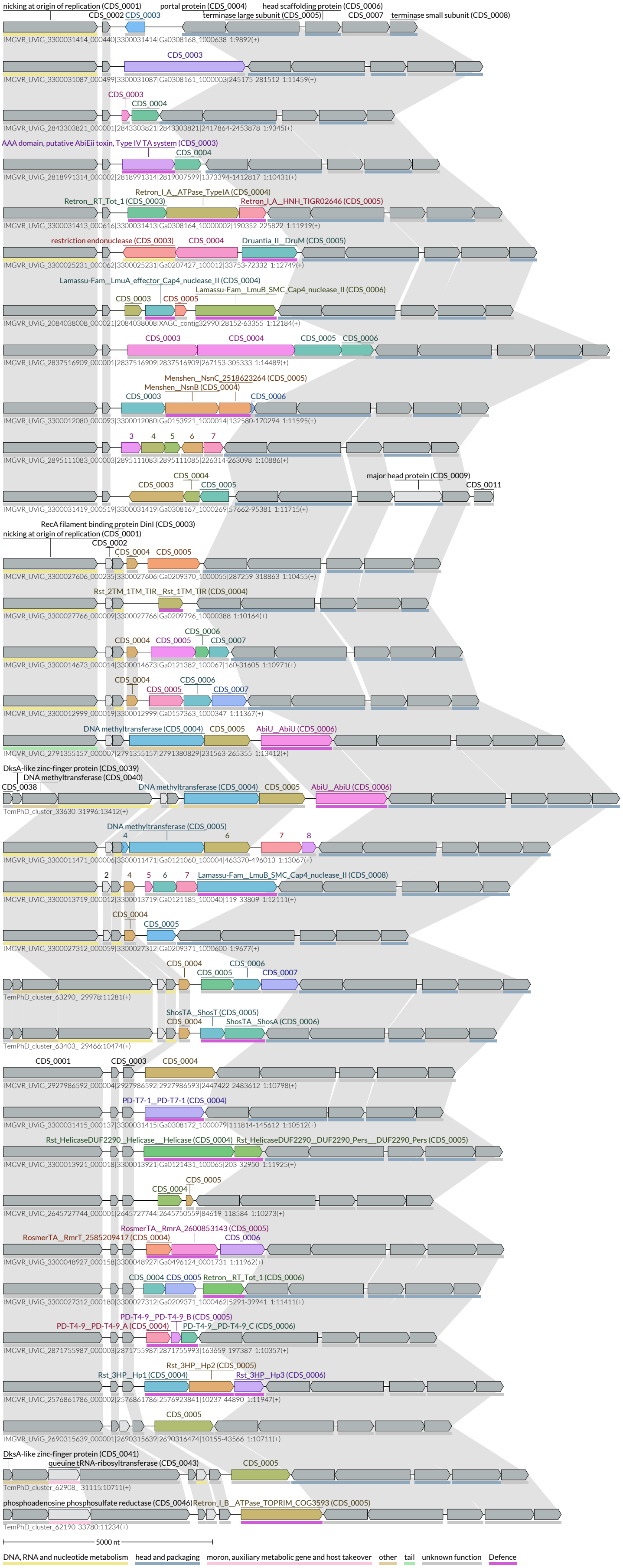
nicking at origin of replication (CDS_0001)
portal protein (CDS_0004)
head scaffolding protein (CDS_0006)
CDS_0002
CDS_0003
terminase large subunit (CDS_0005)
CDS_0007
terminase small subunit (CDS_0008)
IMGVR_UViG_3300031414_000440|3300031414|Ga0308168_1000638 1:9892(+)
CDS_0003
IMGVR_UViG_3300031087_000499|3300031087|Ga0308161_1000003|245175-281512 1:11459(+)
CDS_0003
CDS_0004
IMGVR_UViG_2843303821_000001|2843303821|2843303821|2417864-2453878 1:9345(+)
AAA domain, putative AbiEii toxin, Type IV TA system (CDS_0003)
CDS_0004
IMGVR_UViG_2818991314_000002|2818991314|2819007599|1373394-1412817 1:10431(+)
Retron_I_A__ATPase_TypeIA (CDS_0004)
Retron__RT_Tot_1 (CDS_0003)
Retron_I_A__HNH_TIGR02646 (CDS_0005)
IMGVR_UViG_3300031413_000616|3300031413|Ga0308164_10000002|190352-225822 1:11919(+)
restriction endonuclease (CDS_0003)
CDS_0004
Druantia_II__DruM (CDS_0005)
IMGVR_UViG_3300025231_000062|3300025231|Ga0207427_100012|33753-72332 1:12749(+)
Lamassu-Fam__LmuA_effector_Cap4_nuclease_II (CDS_0004)
Lamassu-Fam__LmuB_SMC_Cap4_nuclease_II (CDS_0006)
CDS_0003
CDS_0005
IMGVR_UViG_2084038008_000021|2084038008|XAGC_contig32990|28152-63355 1:12184(+)
CDS_0003
CDS_0004
CDS_0005
CDS_0006
IMGVR_UViG_2837516909_000001|2837516909|2837516909|267153-305333 1:14489(+)
Menshen__NsnC_2518623264 (CDS_0005)
Menshen__NsnB (CDS_0004)
CDS_0003
CDS_0006
IMGVR_UViG_3300012080_000093|3300012080|Ga0153921_1000014|132580-170294 1:11595(+)
3
4
5
6
7
IMGVR_UViG_2895111083_000003|2895111083|2895111085|226314-263098 1:10886(+)
CDS_0004
CDS_0003
CDS_0005
major head protein (CDS_0009)
CDS_0011
IMGVR_UViG_3300031419_000519|3300031419|Ga0308167_1000269|57662-95381 1:11715(+)
RecA filament binding protein DinI (CDS_0003)
nicking at origin of replication (CDS_0001)
CDS_0002
CDS_0004
CDS_0005
IMGVR_UViG_3300027606_000235|3300027606|Ga0209370_1000055|287259-318863 1:10455(+)
Rst_2TM_1TM_TIR__Rst_1TM_TIR (CDS_0004)
IMGVR_UViG_3300027766_000009|3300027766|Ga0209796_10000388 1:10164(+)
CDS_0006
CDS_0004
CDS_0005
CDS_0007
IMGVR_UViG_3300014673_000014|3300014673|Ga0121382_100067|160-31605 1:10971(+)
CDS_0004
CDS_0006
CDS_0005
CDS_0007
IMGVR_UViG_3300012999_000019|3300012999|Ga0157363_1000347 1:11367(+)
DNA methyltransferase (CDS_0004)
CDS_0005
AbiU__AbiU (CDS_0006)
IMGVR_UViG_2791355157_000007|2791355157|2791380829|231563-265355 1:13412(+)
DksA-like zinc-finger protein (CDS_0039)
DNA methyltransferase (CDS_0040)
CDS_0038
DNA methyltransferase (CDS_0004)
CDS_0005
AbiU__AbiU (CDS_0006)
TemPhD_cluster_33630 31996:13412(+)
DNA methyltransferase (CDS_0005)
4
6
7
8
IMGVR_UViG_3300011471_000006|3300011471|Ga0121060_100004|463370-496013 1:13067(+)
2
4
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6
7
Lamassu-Fam__LmuB_SMC_Cap4_nuclease_II (CDS_0008)
IMGVR_UViG_3300013719_000012|3300013719|Ga0121185_100040|119-33809 1:12111(+)
CDS_0004
CDS_0005
IMGVR_UViG_3300027312_000059|3300027312|Ga0209371_1000600 1:9677(+)
CDS_0004
CDS_0006
CDS_0005
CDS_0007
TemPhD_cluster_63290_ 29978:11281(+)
ShosTA__ShosT (CDS_0005)
CDS_0004
ShosTA__ShosA (CDS_0006)
TemPhD_cluster_63403_ 29466:10474(+)
CDS_0001
CDS_0003
CDS_0004
IMGVR_UViG_2927986592_000004|2927986592|2927986593|2447422-2483612 1:10798(+)
PD-T7-1__PD-T7-1 (CDS_0004)
IMGVR_UViG_3300031415_000137|3300031415|Ga0308172_1000079|111814-145612 1:10512(+)
Rst_HelicaseDUF2290__Helicase__Helicase (CDS_0004)
Rst_HelicaseDUF2290__DUF2290_Pers__DUF2290_Pers (CDS_0005)
IMGVR_UViG_3300013921_000018|3300013921|Ga0121431_100065|203-32950 1:11925(+)
CDS_0005
CDS_0004
IMGVR_UViG_2645727744_000001|2645727744|2645750559|84619-118584 1:10273(+)
RosmerTA__RmrA_2600853143 (CDS_0005)
RosmerTA__RmrT_2585209417 (CDS_0004)
CDS_0006
IMGVR_UViG_3300048927_000158|3300048927|Ga0496124_0001731 1:11962(+)
CDS_0004
CDS_0005
Retron__RT_Tot_1 (CDS_0006)
IMGVR_UViG_3300027312_000180|3300027312|Ga0209371_1000462|5291-39941 1:11411(+)
PD-T4-9__PD-T4-9_B (CDS_0005)
PD-T4-9__PD-T4-9_A (CDS_0004)
PD-T4-9__PD-T4-9_C (CDS_0006)
IMGVR_UViG_2871755987_000003|2871755987|2871755993|163659-197387 1:10357(+)
Rst_3HP__Hp2 (CDS_0005)
Rst_3HP__Hp1 (CDS_0004)
Rst_3HP__Hp3 (CDS_0006)
IMGVR_UViG_2576861786_000002|2576861786|2576923841|10237-44890 1:11947(+)
CDS_0005
IMGVR_UViG_2690315639_000001|2690315639|2690316474|10155-43566 1:10711(+)
DksA-like zinc-finger protein (CDS_0041)
queuine tRNA-ribosyltransferase (CDS_0043)
CDS_0005
TemPhD_cluster_62908_ 31115:10711(+)
phosphoadenosine phosphosulfate reductase (CDS_0046)
Retron_I_B__ATPase_TOPRIM_COG3593 (CDS_0005)
TemPhD_cluster_62190 33780:11234(+)
5000 nt
DNA, RNA and nucleotide metabolism
head and packaging
moron, auxiliary metabolic gene and host takeover
other
tail
unknown function
Defence