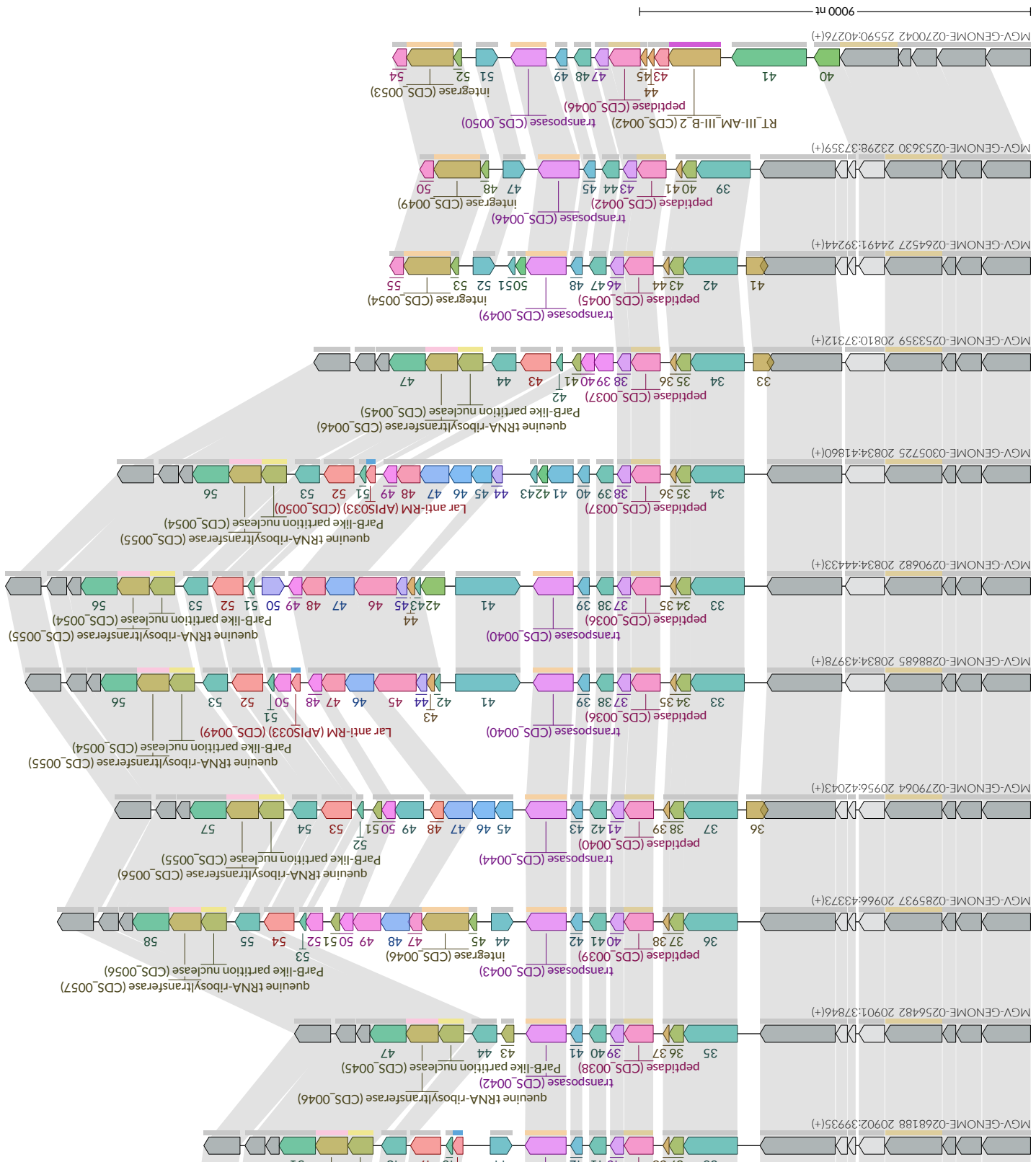
9000 nt
DNA, RNA and nucleotide metabolism
integration and excision
moron, auxiliary metabolic gene and host takeover
other
unknown function
Defence
Anti-defence


MGV-GENOME-0270042 25590:40276(+)
RT_III-AM_III-B_2 (CDS_0042)
peptidase (CDS_0046)
transposase (CDS_0050)
integrase (CDS_0053)
MGV-GENOME-0253630 23298:37359(+)
transposase (CDS_0046)
peptidase (CDS_0042)
integrase (CDS_0049)
MGV-GENOME-0264527 24491:39244(+)
transposase (CDS_0049)
peptidase (CDS_0045)
integrase (CDS_0054)
MGV-GENOME-0253359 20810:37312(+)
queuine tRNA-ribosyltransferase (CDS_0046)
ParB-like partition nuclease (CDS_0045)
peptidase (CDS_0037)
MGV-GENOME-0305725 20834:41860(+)
queuine tRNA-ribosyltransferase (CDS_0055)
ParB-like partition nuclease (CDS_0054)
Lar anti-RM (APIS033) (CDS_0050)
peptidase (CDS_0037)
MGV-GENOME-0290682 20834:44433(+)
queuine tRNA-ribosyltransferase (CDS_0055)
ParB-like partition nuclease (CDS_0054)
transposase (CDS_0040)
peptidase (CDS_0036)
MGV-GENOME-0288685 20834:43978(+)
queuine tRNA-ribosyltransferase (CDS_0055)
ParB-like partition nuclease (CDS_0054)
Lar anti-RM (APIS033) (CDS_0049)
transposase (CDS_0040)
peptidase (CDS_0036)
MGV-GENOME-0279064 20956:42043(+)
queuine tRNA-ribosyltransferase (CDS_0056)
ParB-like partition nuclease (CDS_0055)
transposase (CDS_0044)
peptidase (CDS_0040)
MGV-GENOME-0285937 20966:43373(+)
queuine tRNA-ribosyltransferase (CDS_0057)
ParB-like partition nuclease (CDS_0056)
transposase (CDS_0043)
integrase (CDS_0046)
peptidase (CDS_0039)
MGV-GENOME-0256482 20901:37846(+)
queuine tRNA-ribosyltransferase (CDS_0046)
transposase (CDS_0042)
ParB-like partition nuclease (CDS_0045)
peptidase (CDS_0038)
MGV-GENOME-0268188 20902:39935(+)
peptidase (CDS_0039)
Lar anti-RM (APIS033) (CDS_0045)
MGV-GENOME-0268471 19933:39988(+)
RT_III-AM_III-B_2 (CDS_0035)
peptidase (CDS_0038)
queuine tRNA-ribosyltransferase (CDS_0052)
ParB-like partition nuclease (CDS_0051)
transposase (CDS_0042)
MGV-GENOME-0268283 19933:39952(+)
RT_III-AM_III-B_2 (CDS_0035)
peptidase (CDS_0038)
queuine tRNA-ribosyltransferase (CDS_0052)
ParB-like partition nuclease (CDS_0051)
transposase (CDS_0042)
MGV-GENOME-0266445 19933:39590(+)
queuine tRNA-ribosyltransferase (CDS_0046)
ParB-like partition nuclease (CDS_0045)
transposase (CDS_0038)
peptidase (CDS_0037)
queuine tRNA-ribosyltransferase (CDS_0052)
ParB-like partition nuclease (CDS_0051)
transposase (CDS_0042)
MGV-GENOME-0270392 20968:40346(+)
Lar anti-RM (APIS033) (CDS_0048)
peptidase (CDS_0039)
queuine tRNA-ribosyltransferase (CDS_0053)
ParB-like partition nuclease (CDS_0052)
transposase (CDS_0043)
queuine tRNA-ribosyltransferase (CDS_0050)
ParB-like partition nuclease (CDS_0049)
MGV-GENOME-0238470 20969:34993(+)
peptidase (CDS_0038)
transposase (CDS_0042)
MGV-GENOME-0237158 20867:34742(+)
peptidase (CDS_0037)
transposase (CDS_0041)
MGV-GENOME-0236259 20834:34569(+)
peptidase (CDS_0037)
transposase (CDS_0041)
MGV-GENOME-0236810 20834:34671(+)
peptidase (CDS_0038)
transposase (CDS_0042)
MGV-GENOME-0266379 20834:39577(+)
queuine tRNA-ribosyltransferase (CDS_0048)
ParB-like partition nuclease (CDS_0047)
peptidase (CDS_0037)
transposase (CDS_0041)
MGV-GENOME-0246442 20834:36162(+)
peptidase (CDS_0037)
transposase (CDS_0041)
queuine tRNA-ribosyltransferase (CDS_0043)
MGV-GENOME-0272591 20834:37699(+)
peptidase (CDS_0037)
transposase (CDS_0041)
queuine tRNA-ribosyltransferase (CDS_0044)
ParB-like partition nuclease (CDS_0043)
MGV-GENOME-0257157 20834:37955(+)
peptidase (CDS_0038)
transposase (CDS_0042)
queuine tRNA-ribosyltransferase (CDS_0046)
ParB-like partition nuclease (CDS_0045)
MGV-GENOME-0243770 20834:35763(+)
queuine tRNA-ribosyltransferase (CDS_0046)
ParB-like partition nuclease (CDS_0045)
transposase (CDS_0044)
MGV-GENOME-0228812 19933:33078(+)
queuine tRNA-ribosyltransferase (CDS_0042)
ParB-like partition nuclease (CDS_0041)
Lar anti-RM (APIS033) (CDS_0038)
MGV-GENOME-0243620 20834:35017(+)
Lar anti-RM (APIS033) (CDS_0038)
ParB-like partition nuclease (CDS_0042)
queuine tRNA-ribosyltransferase (CDS_0043)
MGV-GENOME-0230638 20906:33440(+)
Lar anti-RM (APIS033) (CDS_0036)
ParB-like partition nuclease (CDS_0040)
queuine tRNA-ribosyltransferase (CDS_0041)
MGV-GENOME-0231153 20899:33545(+)
peptidase (CDS_0039)
queuine tRNA-ribosyltransferase (CDS_0040)
MGV-GENOME-0232459 20834:33802(+)
peptidase (CDS_0041)
queuine tRNA-ribosyltransferase (CDS_0042)
MGV-GENOME-0266285 20834:39561(+)
DNA polymerase processivity factor (CDS_0035)
ParB-like partition nuclease (CDS_0052)
queuine tRNA-ribosyltransferase (CDS_0051)
MGV-GENOME-0290621 20834:44418(+)
queuine tRNA-ribosyltransferase (CDS_0061)
ParB-like partition nuclease (CDS_0060)
DNA polymerase processivity factor (CDS_0042)
Lar anti-RM (APIS033) (CDS_0055)
peptidase (CDS_0037)
MGV-GENOME-0232459 20834:33802(+)
queuine tRNA-ribosyltransferase (CDS_0042)
ParB-like partition nuclease (CDS_0041)
MGV-GENOME-0231153 20899:33545(+)
queuine tRNA-ribosyltransferase (CDS_0040)
ParB-like partition nuclease (CDS_0039)
MGV-GENOME-0230638 20906:33440(+)
Lar anti-RM (APIS033) (CDS_0036)
queuine tRNA-ribosyltransferase (CDS_0041)
ParB-like partition nuclease (CDS_0040)
MGV-GENOME-0243620 20834:35017(+)
Lar anti-RM (APIS033) (CDS_0038)
ParB-like partition nuclease (CDS_0042)
queuine tRNA-ribosyltransferase (CDS_0043)
MGV-GENOME-0228812 19933:33078(+)
queuine tRNA-ribosyltransferase (CDS_0042)
ParB-like partition nuclease (CDS_0041)
transposase (CDS_0043)
peptidase (CDS_0037)
MGV-GENOME-0243770 20834:35763(+)
queuine tRNA-ribosyltransferase (CDS_0046)
ParB-like partition nuclease (CDS_0045)
transposase (CDS_0044)
peptidase (CDS_0038)
uvig_378654 19825:31011(+)
queuine tRNA-ribosyltransferase (CDS_0038)
ParB-like partition nuclease (CDS_0037)
MGV-GENOME-0236417 19933:34598(+)
queuine tRNA-ribosyltransferase (CDS_0042)
ParB-like partition nuclease (CDS_0041)
Lar anti-RM (APIS033) (CDS_0036)
radical SAM domain-containing protein (CDS_0031)