queuine tRNA-ribosyltransferase (CDS_0043)
CBASS_QueC (CDS_0044)
Dpd_QueD (CDS_0046)
Dpd_QueE (CDS_0047)
Dpd_FolE (CDS_0048)
RT_III-AM_III-B_2 (CDS_0034)
MGV-GENOME-0276289 24755:37477(+)
queuine tRNA-ribosyltransferase (CDS_0038)
Dpd_QueD (CDS_0041)
CBASS_QueC (CDS_0039)
Dpd_QueE (CDS_0042)
Dpd_FolE (CDS_0043)
MGV-GENOME-0272571 24297:35459(+)
queuine tRNA-ribosyltransferase (CDS_0040)
CBASS_QueC (CDS_0041)
Dpd_QueD (CDS_0043)
Dpd_QueE (CDS_0044)
tail protein (CDS_0030)
Dpd_FolE (CDS_0045)
MGV-GENOME-0252618 22525:36569(+)
queuine tRNA-ribosyltransferase (CDS_0040)
CBASS_QueC (CDS_0041)
Dpd_QueD (CDS_0043)
Dpd_QueE (CDS_0044)
Dpd_FolE (CDS_0045)
uvig_45613 22525:37177(+)
QueC-like queuosine biosynthesis (CDS_0043)
Dpd_QueD (CDS_0045)
Dpd_QueE (CDS_0046)
RT_III-AM_III-B_2 (CDS_0033)
Dpd_FolE (CDS_0047)
uvig_201123 23317:36756(+)
queuine tRNA-ribosyltransferase (CDS_0041)
Dpd_QueD (CDS_0044)
CBASS_QueC (CDS_0042)
Dpd_QueE (CDS_0045)
Dpd_FolE (CDS_0046)
MGV-GENOME-0257003 24755:36243(+)
queuine tRNA-ribosyltransferase (CDS_0040)
Dpd_QueD (CDS_0043)
CBASS_QueC (CDS_0041)
Dpd_QueE (CDS_0044)
Dpd_FolE (CDS_0045)
MGV-GENOME-0257971 24755:35731(+)
queuine tRNA-ribosyltransferase (CDS_0039)
CBASS_QueC (CDS_0040)
Dpd_QueE (CDS_0043)
Dpd_FolE (CDS_0044)
MGV-GENOME-0253622 24471:35174(+)
queuine tRNA-ribosyltransferase (CDS_0045)
CBASS_QueC (CDS_0046)
Dpd_QueD (CDS_0048)
Dpd_QueE (CDS_0049)
Dpd_FolE (CDS_0050)
uvig_543462 23267:41109(+)
queuine tRNA-ribosyltransferase (CDS_0047)
CBASS_QueC (CDS_0048)
Dpd_QueD (CDS_0050)
Dpd_QueE (CDS_0051)
Dpd_FolE (CDS_0052)
MGV-GENOME-0263551 24481:39041(+)
queuine tRNA-ribosyltransferase (CDS_0044)
CBASS_QueC (CDS_0045)
Dpd_QueD (CDS_0047)
Dpd_QueE (CDS_0048)
Dpd_FolE (CDS_0049)
MGV-GENOME-0268052 24457:38326(+)
queuine tRNA-ribosyltransferase (CDS_0049)
CBASS_QueC (CDS_0050)
Dpd_QueD (CDS_0052)
Dpd_QueE (CDS_0053)
Dpd_FolE (CDS_0054)
MGV-GENOME-0277076 24472:39568(+)
queuine tRNA-ribosyltransferase (CDS_0052)
DNA methyltransferase (CDS_0043)
CBASS_QueC (CDS_0053)
methyltransferase (CDS_0042)
Dpd_QueD (CDS_0055)
Dpd_QueE (CDS_0056)
Dpd_FolE (CDS_0057)
MGV-GENOME-0276834 24481:41559(+)
queuine tRNA-ribosyltransferase (CDS_0050)
DNA methyltransferase (CDS_0041)
CBASS_QueC (CDS_0051)
methyltransferase (CDS_0040)
Dpd_QueD (CDS_0053)
Dpd_QueE (CDS_0054)
Dpd_FolE (CDS_0055)
MGV-GENOME-0277688 23003:39859(+)
queuine tRNA-ribosyltransferase (CDS_0050)
Holliday junction resolvase (CDS_0047)
Dpd_QueD (CDS_0053)
DNA methyltransferase (CDS_0042)
CBASS_QueC (CDS_0051)
methyltransferase (CDS_0041)
Dpd_QueE (CDS_0054)
Dpd_FolE (CDS_0055)
MGV-GENOME-0285097 24755:41600(+)
queuine tRNA-ribosyltransferase (CDS_0048)
Holliday junction resolvase (CDS_0046)
Dpd_QueD (CDS_0051)
DNA methyltransferase (CDS_0041)
CBASS_QueC (CDS_0049)
methyltransferase (CDS_0040)
Dpd_QueE (CDS_0052)
Dpd_FolE (CDS_0053)
MGV-GENOME-0282164 24749:40838(+)
queuine tRNA-ribosyltransferase (CDS_0050)
Dpd_QueD (CDS_0053)
DNA methyltransferase (CDS_0043)
CBASS_QueC (CDS_0051)
methyltransferase (CDS_0042)
Dpd_QueE (CDS_0054)
Dpd_FolE (CDS_0055)
MGV-GENOME-0278190 24503:40279(+)
queuine tRNA-ribosyltransferase (CDS_0045)
Dpd_QueD (CDS_0048)
CBASS_QueC (CDS_0046)
Dpd_QueE (CDS_0049)
Dpd_FolE (CDS_0050)
MGV-GENOME-0271723 24767:38249(+)
queuine tRNA-ribosyltransferase (CDS_0045)
QueC-like queuosine biosynthesis (CDS_0046)
Dpd_QueD (CDS_0048)
Dpd_QueE (CDS_0049)
Dpd_FolE (CDS_0050)
MGV-GENOME-0295004 23125:40134(+)
queuine tRNA-ribosyltransferase (CDS_0054)
Dpd_QueD (CDS_0057)
CBASS_QueC (CDS_0055)
Dpd_QueE (CDS_0058)
Holliday junction resolvase (CDS_0051)
Dpd_FolE (CDS_0059)
MGV-GENOME-0301880 24517:47187(+)
queuine tRNA-ribosyltransferase (CDS_0045)
CBASS_QueC (CDS_0046)
DNA methyltransferase (CDS_0036)
Dpd_QueD (CDS_0048)
Dpd_QueE (CDS_0049)
Dpd_FolE (CDS_0050)
MGV-GENOME-0243067 21831:35627(+)
queuine tRNA-ribosyltransferase (CDS_0044)
DNA methyltransferase (CDS_0037)
CBASS_QueC (CDS_0046)
DNA methyltransferase (CDS_0036)
Dpd_QueD (CDS_0048)
Dpd_QueE (CDS_0049)
Dpd_FolE (CDS_0050)
MGV-GENOME-0256605 22533:37830(+)
queuine tRNA-ribosyltransferase (CDS_0042)
Dpd_QueD (CDS_0045)
CBASS_QueC (CDS_0043)
Dpd_QueE (CDS_0046)
Dpd_FolE (CDS_0047)
MGV-GENOME-0255895 24097:37738(+)
queuine tRNA-ribosyltransferase (CDS_0039)
CBASS_QueC (CDS_0040)
Dpd_QueD (CDS_0042)
Dpd_QueE (CDS_0043)
Dpd_FolE (CDS_0044)
MGV-GENOME-0237268 22534:34726(+)
queuine tRNA-ribosyltransferase (CDS_0038)
Dpd_QueD (CDS_0041)
CBASS_QueC (CDS_0039)
Dpd_QueE (CDS_0042)
Dpd_FolE (CDS_0043)
MGV-GENOME-0241896 23043:35485(+)
queuine tRNA-ribosyltransferase (CDS_0040)
Dpd_QueD (CDS_0043)
CBASS_QueC (CDS_0041)
Dpd_QueE (CDS_0044)
Dpd_FolE (CDS_0045)
MGV-GENOME-0236627 22514:34632(+)
CDS_0037
CDS_0039
CDS_0038
MGV-GENOME-0242673 24746:32473(+)
CDS_0038
CDS_0039
MGV-GENOME-0251968 26044:33278(+)
MGV-GENOME-0229893 23561:33293(+)
Dpd_FolE (CDS_0041)
MGV-GENOME-0245943 24512:34583(+)
CDS_0039
CDS_0038
MGV-GENOME-0263119 23277:31260(+)
9000 nt
DNA, RNA and nucleotide metabolism
head and packaging
moron, auxiliary metabolic gene and host takeover
other
tail
unknown function
Defence