trimethoprim-resistant dihydrofolate reductase DfrA3b (NF000065.1) (CDS_0072)
ribonucleotide reductase class Ia beta subunit (CDS_0064)
thymidylate synthase (CDS_0068)
RNA ligase and tail fiber protein attachment catalyst (CDS_0060)
unknown function (CDS_0066)
single strand DNA binding protein (CDS_0077)
aerobic NDP reductase small subunit (CDS_0062)
thymidylate synthase (CDS_0070)
unknown function (CDS_0076)
NrdA-like aerobic NDP reductase large subunit (CDS_0065)
unknown function (CDS_0075)
intron-like DNA endonuclease (CDS_0063)
homing endonuclease (CDS_0069)
CDS_0074
endonuclease (CDS_0061)
CDS_0067
CDS_0071
CDS_0073
NC_030953.1 41532:53511(+)
thymidylate synthase (CDS_0071)
homing endonuclease (CDS_0070)
homing endonuclease (CDS_0065)
thymidylate synthase (CDS_0069)
CDS_0072
CDS_0075
KM606997.1 43031:54752(+)
homing endonuclease (CDS_0070)
thymidylate synthase (CDS_0069)
CDS_0072
intron-like DNA endonuclease (CDS_0064)
CDS_0071
NC_054937.1 39837:52388(+)
thymidylate synthase (CDS_0067)
CDS_0068
CDS_0069
CDS_0073
NC_054912.1 38790:49938(+)
thymidylate synthase (CDS_0207) thymidylate synthase (CDS_0205)
homing endonuclease (CDS_0210)
homing endonuclease (CDS_0206)
NC_031047.1 118291:130629(-)
thymidylate synthase (CDS_0066)
thymidylate synthase (CDS_0067)
inhibitor of host transcription (CDS_0059)
CDS_0068
NC_054928.1 38309:49022(+)
thymidylate synthase (CDS_0069)
thymidylate synthase (CDS_0068)
CDS_0070
HE956711.1 40648:52074(+)
thymidylate synthase (CDS_0070) thymidylate synthase (CDS_0072)
endonuclease (CDS_0064)
homing endonuclease (CDS_0071)
KJ477684.1 40883:51216(+)
thymidylate synthase (CDS_0071) thymidylate synthase (CDS_0073)
homing endonuclease (CDS_0072)
KJ477686.1 43779:51215(+)
thymidylate synthase (CDS_0068)
homing endonuclease (CDS_0067)
CDS_0071
homing endonuclease (CDS_0062)
thymidylate synthase (CDS_0066)
CDS_0069
NC_054915.1 39480:51477(+)
thymidylate synthase (CDS_0070)
homing endonuclease (CDS_0069)
ribonucleotide reductase class Ia beta subunit (CDS_0065)
thymidylate synthase (CDS_0068)
CDS_0071
KF208315.1 41868:53106(+)
thymidylate synthase (CDS_0067)
homing endonuclease (CDS_0066)
CDS_0062
thymidylate synthase (CDS_0065)
CDS_0068
uvig_225001 41483:53408(+)
thymidylate synthase (CDS_0067)
homing endonuclease (CDS_0066)
thymidylate synthase (CDS_0065)
CDS_0068
NC_054904.1 41086:51863(+)
homing endonuclease (CDS_0069)
thymidylate synthase (CDS_0068)
CDS_0071
CDS_0070
NC_054911.1 41349:53505(+)
thymidylate synthase (CDS_0072)
homing endonuclease (CDS_0071)
thymidylate synthase (CDS_0070)
CDS_0073
NC_054907.1 43302:55119(+)
thymidylate synthase (CDS_0069)
homing endonuclease (CDS_0068)
thymidylate synthase (CDS_0067)
CDS_0070
NC_054919.1 41903:53294(+)
thymidylate synthase (CDS_0067)
homing endonuclease (CDS_0066)
thymidylate synthase (CDS_0065)
CDS_0068
NC_055724.1 41050:51728(+)
thymidylate synthase (CDS_0065)
homing endonuclease (CDS_0064)
thymidylate synthase (CDS_0063)
CDS_0066
NC_054935.2 41160:52162(+)
thymidylate synthase (CDS_0069)
homing endonuclease (CDS_0068)
thymidylate synthase (CDS_0067)
CDS_0070
NC_054914.1 41571:52225(+)
thymidylate synthase (CDS_0070)
homing endonuclease (CDS_0069)
thymidylate synthase (CDS_0068)
CDS_0071
NC_054909.1 41713:53321(+)
thymidylate synthase (CDS_0068)
homing endonuclease (CDS_0067)
thymidylate synthase (CDS_0066)
CDS_0069
NC_054924.1 39404:50813(+)
NrdA-like aerobic NDP reductase large subunit (CDS_0064)
thymidylate synthase (CDS_0069)
homing endonuclease (CDS_0063)
homing endonuclease (CDS_0068)
CDS_0062
thymidylate synthase (CDS_0067)
CDS_0070
NC_055723.1 39294:50797(+)
thymidylate synthase (CDS_0066) CDS_0067
NC_054910.1 40798:50714(+)
thymidylate synthase (CDS_0065) CDS_0066
uvig_282591 40717:50915(+)
thymidylate synthase (CDS_0070) CDS_0071
MGV-GENOME-0377569 42724:53300(+)
thymidylate synthase (CDS_0065) CDS_0066
NC_042077.1 41194:51207(+)
thymidylate synthase (CDS_0065) CDS_0066
KM501444.1 41814:51388(+)
thymidylate synthase (CDS_0065) CDS_0066
NC_055741.1 40941:50499(+)
thymidylate synthase (CDS_0071)
thymidylate synthase (CDS_0073)
CDS_0072
KJ668714.2 46153:50564(+)
thymidylate synthase (CDS_0069)
CDS_0070
CDS_0071
NC_054916.1 42911:53390(+)
thymidylate synthase (CDS_0068)
unknown function (CDS_0075)
thymidylate synthase (CDS_0070)
homing endonuclease (CDS_0069)
homing endonuclease (CDS_0078)
CDS_0071
DNA helicase loader (CDS_0079)
NC_031011.1 48005:54638(+)
thymidylate synthase (CDS_0068)
thymidylate synthase (CDS_0070)
homing endonuclease (CDS_0069)
CDS_0071 CDS_0074
NC_054943.1 46472:52398(+)
thymidylate synthase (CDS_0065)
thymidylate synthase (CDS_0067)
homing endonuclease (CDS_0066)
CDS_0071
late promoter transcriptional regulator (CDS_0076)
NC_054936.1 43643:52551(+)
thymidylate synthase (CDS_0066)
CDS_0067
CDS_0071
uvig_280983 42695:52202(+)
CDS_0071
NC_054945.1 43320:52521(+)
CDS_0073
NC_054927.1 47312:53370(+)
CDS_0069
NC_025448.1 43824:52575(+)
CDS_0068
CDS_0069
KM607004.1 41664:51837(+)
CDS_0067
CDS_0068
HM997020.1 42002:52177(+)
CDS_0068
CDS_0069
NC_054929.1 41591:52087(+)
CDS_0066
homing endonuclease (CDS_0071)
NC_055734.1 41186:50633(+)
CDS_0065
uvig_419418 40097:48878(+)
ribonucleotide reductase large subunit (CDS_0063)
CDS_0068
MGV-GENOME-0377638 41077:50251(+)
CDS_0067
uvig_316540 41077:50132(+)
CDS_0067
NC_055708.1 41878:50706(+)
CDS_0066
KP869104.1 41462:50237(+)
CDS_0069
NC_012638.1 42678:51994(+)
CDS_0066
NC_054901.1 41692:51311(+)
trimethoprim-resistant dihydrofolate reductase DfrA9 (NF000109.2) (CDS_0067)
trimethoprim-resistant dihydrofolate reductase DfrA (NF000330.1) (CDS_0068)
thymidylate synthase (CDS_0065)
66
69 70
NC_054905.1 41042:52434(+)
CDS_0069
NC_054940.1 41884:51758(+)
CDS_0071 CDS_0072
NC_031030.1 47103:53133(+)
late promoter transcriptional regulator (CDS_0079)
transcriptional regulator (CDS_0080)
unknown function (CDS_0070)
CDS_0075
CDS_0081
NC_028847.1 47427:57286(+)
thymidylate synthase (CDS_0067)
CDS_0068
unknown function (CDS_0066)
CDS_0070 CDS_0071
NC_012741.1 43471:52955(+)
thymidylate synthase (CDS_0068)
CDS_0063
unknown function (CDS_0067)
CDS_0069
NC_055740.1 42137:52055(+)
unknown function (CDS_0066)
thymidylate synthase (CDS_0068)
inhibitor of host transcription (CDS_0061)
CDS_0067
NC_028894.1 40421:50148(+)
unknown function (CDS_0070)
CDS_0071
CDS_0069
thymidylate synthase (CDS_0072)
NC_028957.1 43875:53865(+)
aerobic NDP reductase small subunit (CDS_0067)
Rz-like spanin (CDS_0062)
ribonucleotide reductase class Ia beta subunit (CDS_0069)
Rz-like spanin (CDS_0063)
intron-like DNA endonuclease (CDS_0068)
NC_019500.1 42351:52421(+)
5000 nt
DNA, RNA and nucleotide metabolism
lysis
moron, auxiliary metabolic gene and host takeover
tail
transcription regulation
unknown function
AMR