RmtB family 16S rRNA (guanine(1405)-N(7))-methyltransferase (NF033209.1) (PCNLFJJD_00008)
AAC(6')-Ib family aminoglycoside 6'-N-acetyltransferase (NF033074.0) (PCNLFJJD_00007)
trimethoprim-resistant dihydrofolate reductase DfrA36 (NF033868.0) (PCNLFJJD_00004)
type B chloramphenicol O-acetyltransferase (NF000490.1) (PCNLFJJD_00011)
IS6 family transposase IS6100 (PCNLFJJD_00013)
ANT(9) family aminoglycoside nucleotidyltransferase (NF012212.1) (PCNLFJJD_00005)
Endoribonuclease PemK (PCNLFJJD_00017)
IS6 family transposase IS26 (PCNLFJJD_00002)
Antitoxin PemI (PCNLFJJD_00018)
Tyrosine recombinase XerD (PCNLFJJD_00003)
Tn3 family transposase ISXc4 (PCNLFJJD_00016)
6 9 10 12 14 15 19 20 21
IMGPR_plasmid_2687453387_000001 1639:21906(+)
RmtB family 16S rRNA (guanine(1405)-N(7))-methyltransferase (NF033209.1) (ODOEECCG_00058)
AAC(6')-Ib family aminoglycoside 6'-N-acetyltransferase (NF033074.0) (ODOEECCG_00059)
trimethoprim-resistant dihydrofolate reductase DfrA36 (NF033868.0) (ODOEECCG_00062)
ANT(9) family aminoglycoside nucleotidyltransferase (NF012212.1) (ODOEECCG_00061)
type B chloramphenicol O-acetyltransferase (NF000490.1) (ODOEECCG_00056)
Tn3 family transposase TnAs1 (ODOEECCG_00065)
Protein StbB (ODOEECCG_00071)
Tyrosine recombinase XerD (ODOEECCG_00063)
IS6 family transposase IS6100 (ODOEECCG_00054)
Gao_Ppl__PplA (ODOEECCG_00068)
Tn3 family transposase ISXc4 (ODOEECCG_00051)
70 69 67 66 60 57 55 53 52
IMGPR_plasmid_2687453139_000001 42018:70459(-)
quaternary ammonium compound efflux SMR transporter QacE (NF000276.2) (CDHDNGDN_00075)
trimethoprim-resistant dihydrofolate reductase DfrA36 (NF033868.0) (CDHDNGDN_00073)
ANT(9) family aminoglycoside nucleotidyltransferase (NF012212.1) (CDHDNGDN_00074)
NDM family subclass B1 metallo-beta-lactamase (NF000259.2) (CDHDNGDN_00081)
bleomycin binding protein Ble-MBL (NF012202.0) (CDHDNGDN_00080)
N-(5'-phosphoribosyl)anthranilate isomerase (CDHDNGDN_00079)
Thiol:disulfide interchange protein DsbD (CDHDNGDN_00078)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (CDHDNGDN_00076)
IS1 family transposase IS1D (CDHDNGDN_00084)
Tyrosine recombinase XerD (CDHDNGDN_00072)
77
Tn3 family transposase Tn3 (CDHDNGDN_00083)
IMGPR_plasmid_2851966386_000002 52098:75912(+)
TEM family class A beta-lactamase (NF000531.2) (ACIAEMGI_00243)
IS66 family transposase ISEc23 (ACIAEMGI_00234)
ACIAEMGI_00238
ACIAEMGI_00242
ACIAEMGI_00235
ACIAEMGI_00233
IMGPR_plasmid_2687453442_000001 193096:203384(-)
DMPPLDNL_00005
IMGPR_plasmid_2923296884_000002 1644:8197(+)
IS66 family transposase ISEc23 (NNBJLGAP_00095)
NNBJLGAP_00106
NNBJLGAP_00099
NNBJLGAP_00093
IMGPR_plasmid_2667527522_000002 72058:83793(-)
TEM family class A beta-lactamase (NF000531.2) (AAOOPDDM_00163)
AAOOPDDM_00160
AAOOPDDM_00164
AAOOPDDM_00161
AAOOPDDM_00165
IMGPR_plasmid_2909257012_000001 129418:140050(+)
Tn3 family transposase (LFOMHFNF_00034)
IMGPR_plasmid_2896807372_000001 28369:36148(-)
aminoglycoside 3-N-acetyltransferase (NF033082.0) (EMLPFOIE_00077)
IS1182 family transposase ISCfr1 (EMLPFOIE_00069)
IS4 family transposase ISVsa5 (EMLPFOIE_00076)
EMLPFOIE_00073
EMLPFOIE_00070
EMLPFOIE_00074
EMLPFOIE_00071
IS6 family transposase IS15 (EMLPFOIE_00078)
EMLPFOIE_00072
EMLPFOIE_00079
EMLPFOIE_00083
IMGPR_plasmid_648018805_000001 54162:67449(+)
23S rRNA (adenine(2058)-N(6))-methyltransferase Erm(F) (NF012223.0) (HDPJGJDF_00035)
DNA adenine methyltransferase YhdJ (HDPJGJDF_00026)
Plasmid segregation protein ParM (HDPJGJDF_00027)
IS1 family transposase IS1D (HDPJGJDF_00032)
IS1 family transposase IS1R (HDPJGJDF_00031)
25 23 24 29 30 33 34 36
IMGPR_plasmid_2925903241_000001 19316:33244(+)
BKC/GPC family carbapenem-hydrolyzing class A beta-lactamase (NF033626.2) (AFIJMBBN_00015)
Vitamin B12 transporter BtuB (AFIJMBBN_00017)
IS5 family transposase IS903 (AFIJMBBN_00016)
Transposon Tn3 resolvase (AFIJMBBN_00019)
22 21 18 14
IMGPR_plasmid_2718217913_000001 4301:20477(-)
23S rRNA (adenine(2058)-N(6))-methyltransferase Erm(F) (NF012223.0) (HGPNEJPC_00009)
aminoglycoside 3-N-acetyltransferase (NF033082.0) (HGPNEJPC_00016)
Tunicamycin resistance protein (HGPNEJPC_00017)
IS4 family transposase ISVsa5 (HGPNEJPC_00015)
60 kDa chaperonin (HGPNEJPC_00012)
19 13 11 10 8
IMGPR_plasmid_2939142107_000002 1:15940(-)
23S rRNA (adenine(2058)-N(6))-methyltransferase Erm(F) (NF012223.0) (OJGPFDMF_00042)
60 kDa chaperonin (OJGPFDMF_00045)
41 43 44 46
IMGPR_plasmid_2847556114_000001 33986:44032(+)
Tet(A)/Tet(B)/Tet(C) family tetracycline efflux MFS transporter (NF012174.0) (IAFHNPBH_00008)
AAC(6')-Ib family aminoglycoside 6'-N-acetyltransferase (NF033074.0) (IAFHNPBH_00012)
Tetracycline repressor protein class A from transposon 1721 (IAFHNPBH_00009)
type B chloramphenicol O-acetyltransferase (NF000490.1) (IAFHNPBH_00014)
BPU family class D beta-lactamase (NF012098.1) (IAFHNPBH_00013)
Tn3 family transposase TnAs1 (IAFHNPBH_00006)
Serine recombinase PinR (IAFHNPBH_00005)
Tn3 family transposase TnAs1 (IAFHNPBH_00010)
7
Tn3 family transposase (IAFHNPBH_00004)
IMGPR_plasmid_2718218493_000001 929:15773(-)
RmtB family 16S rRNA (guanine(1405)-N(7))-methyltransferase (NF033209.1) (CBNDNPHN_00048)
Mph(E)/Mph(G) family macrolide 2'-phosphotransferase (NF000241.1) (CBNDNPHN_00041)
tetracycline efflux MFS transporter Tet(V) (NF012178.0) (CBNDNPHN_00042)
TEM family class A beta-lactamase (NF000531.2) (CBNDNPHN_00047)
IS6 family transposase IS6100 (CBNDNPHN_00044)
Transposon Tn3 resolvase (CBNDNPHN_00046)
60 kDa chaperonin (CBNDNPHN_00050)
49 45 43 39
IMGPR_plasmid_2861069343_000002 33084:46466(-)
10000 nt
Defence
AMR