Plasmid-derived single-stranded DNA-binding protein (LODPMOGO_00031)
anti-RM (APIS037) (LODPMOGO_00028)
LODPMOGO_00030
LODPMOGO_00025
LODPMOGO_00029
LODPMOGO_00026
LODPMOGO_00027
LODPMOGO_00032
IMGPR_plasmid_2778261179_000001 17770:22346(+)
JGKIONEK_00055
JGKIONEK_00054
IMGPR_plasmid_2778261171_000001 47046:51623(-)
IJOJCDNK_00003
IJOJCDNK_00004
IJOJCDNK_00008
IMGPR_plasmid_2529292996_000003 325:4896(+)
DKKLMDAC_00060
DKKLMDAC_00055
DKKLMDAC_00059
IMGPR_plasmid_2737471862_000002 52225:56805(-)
KCKLFEMP_00020
KCKLFEMP_00022
KCKLFEMP_00021
IMGPR_plasmid_2648501186_000009 12623:17195(+)
DIHGPIGA_00055
DIHGPIGA_00053
DIHGPIGA_00054
IMGPR_plasmid_2651869830_000002 47170:51742(-)
IIAJGNND_00007
IIAJGNND_00009
IIAJGNND_00008
IMGPR_plasmid_2724679172_000002 3843:8486(+)
BAOGLFLA_00055
BAOGLFLA_00053
BAOGLFLA_00054
BAOGLFLA_00049
IMGPR_plasmid_2703719347_000003 46531:51098(-)
anti-RM (APIS037) (DGMBNCAF_00009)
DGMBNCAF_00007
DGMBNCAF_00008
Nucleoid occlusion protein (DGMBNCAF_00014)
IMGPR_plasmid_2537562092_000002 4522:11115(+)
anti-RM (APIS037) (OBEDNONJ_00006)
OBEDNONJ_00004
OBEDNONJ_00005
IMGPR_plasmid_2737471849_000001 2348:8941(+)
DNA adenine methyltransferase YhdJ (ILGILCGF_00003)
IMGPR_plasmid_2609459835_000002 212:6776(+)
DNA adenine methyltransferase YhdJ (AMPINBJI_00002)
IMGPR_plasmid_2619619128_000002 212:6778(+)
TEM family class A beta-lactamase (NF000531.2) (BMIEDOEM_00002)
DNA adenine methyltransferase YhdJ (BMIEDOEM_00009)
Transposon Tn3 resolvase (BMIEDOEM_00001)
Protein UmuD (BMIEDOEM_00006)
Protein UmuC (BMIEDOEM_00005)
IMGPR_plasmid_2548876530_000001 8:11318(+)
TEM family class A beta-lactamase (NF000531.2) (MHJLLLEM_00002)
Transposon Tn3 resolvase (MHJLLLEM_00001)
Protein UmuD (MHJLLLEM_00006)
Protein UmuC (MHJLLLEM_00005)
DNA adenine methyltransferase YhdJ (MHJLLLEM_00009)
IMGPR_plasmid_2548876528_000001 8:11317(+)
Protein UmuD (NKKDABPM_00004)
Protein UmuC (NKKDABPM_00003)
DNA adenine methyltransferase YhdJ (NKKDABPM_00007)
IMGPR_plasmid_3300029516_000005 185:9940(+)
Protein UmuD (AEKNKOFH_00002)
DNA adenine methyltransferase YhdJ (AEKNKOFH_00005)
IMGPR_plasmid_2534682052_000001 944:8501(+)
DNA adenine methyltransferase YhdJ (MNKFIFJJ_00060)
Plasmid segregation protein ParM (MNKFIFJJ_00066)
Tyrosine recombinase XerC (MNKFIFJJ_00069)
Protein UmuD (MNKFIFJJ_00063)
Protein UmuC (MNKFIFJJ_00064)
Group II intron-encoded protein LtrA (MNKFIFJJ_00052)
IMGPR_plasmid_2706794685_000002 49488:66700(-)
ISL3 family transposase ISPpu12 (FJBKKPDM_00001)
DNA adenine methyltransferase YhdJ (FJBKKPDM_00018)
Plasmid segregation protein ParM (FJBKKPDM_00012)
Tyrosine recombinase XerC (FJBKKPDM_00009)
Protein UmuD (FJBKKPDM_00015)
Protein UmuC (FJBKKPDM_00014)
IMGPR_plasmid_2648501141_000002 8:17863(+)
DNA adenine methyltransferase YhdJ (PJCLCCPK_00020)
Plasmid segregation protein ParM (PJCLCCPK_00014)
Tyrosine recombinase XerC (PJCLCCPK_00011)
Protein UmuD (PJCLCCPK_00017)
Protein UmuC (PJCLCCPK_00016)
Colicin Ib (VF1184) (PJCLCCPK_00001)
anti-RM (APIS037) (PJCLCCPK_00024)
IMGPR_plasmid_2579778778_000002 63:20132(+)
Plasmid segregation protein ParM (KBHANMKB_00062)
Tyrosine recombinase XerC (KBHANMKB_00065)
Protein UmuD (KBHANMKB_00059)
Protein UmuC (KBHANMKB_00060)
DNA adenine methyltransferase YhdJ (KBHANMKB_00056)
IMGPR_plasmid_2579778654_000001 46113:63637(-)
Plasmid segregation protein ParM (IBPIMABN_00006)
Tyrosine recombinase XerC (IBPIMABN_00003)
Protein UmuD (IBPIMABN_00009)
Protein UmuC (IBPIMABN_00008)
DNA adenine methyltransferase YhdJ (IBPIMABN_00012)
IMGPR_plasmid_2681813231_000001 101:14698(+)
Plasmid segregation protein ParM (DLIBIGLL_00062)
3'-5' exonuclease DinG (DLIBIGLL_00082)
ISL3 family transposase ISKox3 (DLIBIGLL_00057)
PfiAT__PfiT (DLIBIGLL_00083)
Tyrosine recombinase XerC (DLIBIGLL_00065)
DNA adenine methyltransferase YhdJ (DLIBIGLL_00055)
Colicin Ib (VF1184) (DLIBIGLL_00075)
Protein UmuD (DLIBIGLL_00059)
Protein UmuC (DLIBIGLL_00060)
IMGPR_plasmid_2698536536_000001 46064:74712(-)
Plasmid segregation protein ParM (JBHMHDFN_00061)
Tyrosine recombinase XerC (JBHMHDFN_00064)
Colicin Ib (VF1184) (JBHMHDFN_00071)
Protein UmuD (JBHMHDFN_00058)
Protein UmuC (JBHMHDFN_00059)
DNA adenine methyltransferase YhdJ (JBHMHDFN_00055)
IMGPR_plasmid_2713897296_000001 46322:63311(-)
tRNA(fMet)-specific endonuclease VapC (NJLMCDKD_00067)
Plasmid segregation protein ParM (NJLMCDKD_00061)
Tyrosine recombinase XerC (NJLMCDKD_00064)
Protein UmuD (NJLMCDKD_00058)
Protein UmuC (NJLMCDKD_00059)
DNA adenine methyltransferase YhdJ (NJLMCDKD_00055)
IMGPR_plasmid_2724678948_000001 46320:60380(-)
IS66 family transposase ISCro1 (BHHCCDMN_00054)
anti-RM (APIS037) (BHHCCDMN_00051)
IMGPR_plasmid_2744054872_000003 44364:53666(-)
DNA adenine methyltransferase YhdJ (OHACPCON_00022)
Plasmid segregation protein ParM (OHACPCON_00017)
Tn3 family transposase TnAs3 (OHACPCON_00001)
Tyrosine recombinase XerC (OHACPCON_00014)
Colicin Ib (VF1184) (OHACPCON_00008)
IMGPR_plasmid_2588253807_000001 81:22451(+)
Plasmid segregation protein ParM (FIPAFLJO_00059)
Tn3 family transposase TnAs3 (FIPAFLJO_00075)
Tyrosine recombinase XerC (FIPAFLJO_00062)
Colicin Ib (VF1184) (FIPAFLJO_00068)
DNA adenine methyltransferase YhdJ (FIPAFLJO_00054)
IMGPR_plasmid_2588253805_000001 46439:68811(-)
Plasmid segregation protein ParM (NKBMGCGH_00061)
Tyrosine recombinase XerC (NKBMGCGH_00063)
Colicin Ib (VF1184) (NKBMGCGH_00069)
DNA adenine methyltransferase YhdJ (NKBMGCGH_00056)
IMGPR_plasmid_2588253818_000001 49039:68779(-)
Plasmid segregation protein ParM (HKGDPODK_00016)
Tyrosine recombinase XerC (HKGDPODK_00013)
Colicin Ib (VF1184) (HKGDPODK_00007)
DNA adenine methyltransferase YhdJ (HKGDPODK_00021)
IMGPR_plasmid_2588253819_000001 21:19762(+)
Plasmid segregation protein ParM (IBMAFJMG_00016)
Tyrosine recombinase XerC (IBMAFJMG_00013)
Colicin Ib (VF1184) (IBMAFJMG_00007)
DNA adenine methyltransferase YhdJ (IBMAFJMG_00021)
IMGPR_plasmid_2516143027_000002 9:19748(+)
Tyrosine recombinase XerC (BPEHNBEJ_00063)
Colicin Ib (VF1184) (BPEHNBEJ_00069)
Plasmid segregation protein ParM (BPEHNBEJ_00060)
DNA adenine methyltransferase YhdJ (BPEHNBEJ_00055)
IMGPR_plasmid_2531839383_000001 46329:65551(-)
IS110 family transposase IS4321R (DGEKKOBG_00078)
Plasmid segregation protein ParM (DGEKKOBG_00062)
Tn3 family transposase TnAs3 (DGEKKOBG_00079)
Tyrosine recombinase XerC (DGEKKOBG_00065)
Colicin Ib (VF1184) (DGEKKOBG_00071)
DNA adenine methyltransferase YhdJ (DGEKKOBG_00057)
IMGPR_plasmid_2534682111_000001 49042:72738(-)
ANT(9) family aminoglycoside nucleotidyltransferase (NF012212.1) (BMJCOHGE_00004)
aminoglycoside 3-N-acetyltransferase (NF033082.0) (BMJCOHGE_00003)
Tyrosine recombinase XerC (BMJCOHGE_00005)
Plasmid segregation protein ParM (BMJCOHGE_00024)
Tn3 family transposase TnAs3 (BMJCOHGE_00008)
Tyrosine recombinase XerC (BMJCOHGE_00021)
10 kDa chaperonin (BMJCOHGE_00002)
Colicin Ib (VF1184) (BMJCOHGE_00015)
DNA adenine methyltransferase YhdJ (BMJCOHGE_00029)
DNA-invertase hin (BMJCOHGE_00007)
IMGPR_plasmid_2588253812_000004 244:28503(+)
Plasmid segregation protein ParM (LIIBIAEC_00057)
Tyrosine recombinase XerC (LIIBIAEC_00060)
DNA adenine methyltransferase YhdJ (LIIBIAEC_00052)
IMGPR_plasmid_2588253821_000002 43914:56036(-)
10000 nt
Defence
Virulence
Anti-defence
AMR