

ATP-dependent RecD-like DNA helicase (EJJHEBNA_00013)

Tyrosine recombinase XerC (EJJHEBNA_00012)

EJJHEBNA_00016
EJJHEBNA_00017
EJJHEBNA_00015
EJJHEBNA_00014 | WYL_I_II_III_IV_V_VI_4 (EJJHEBNA_00018)

IMGPR_plasmid_3300029566_000188 10996:16180(+)

GDNKCKEC_00002 GDNKCKEC_00001

IMGPR_plasmid_3300007798_000112 28:5706(-)

KECOEIMG_00011

KECOEIMG_00012

KECOEIMG_00013 KECOEIMG_00009

KECOEIMG_00010 KECOEIMG_00008 KECOEIMG_00002

IMGPR_plasmid_3300029530_000128 1746:11547(-)

CCKNLBBJ_00018

IMGPR_plasmid_3300029362_000331 11071:17122(+)

HLDNNEGE_00001

IMGPR_plasmid_3300014956_000115 10:6061(-)

FJDPLPCB_00002 FJDPLPCB_00001

IMGPR_plasmid_3300029000_000092 93:10310(-)

CBPAIMHM_00015 CBPAIMHM_00016

IMGPR_plasmid_3300029618_000229 7057:17253(+)

ABPCEFPE_00004 Retron_VI_HTH (ABPCEFPE_00002) ABPCEFPE_00003 ABPCEFPE_00001

IMGPR_plasmid_3300008081_000189 921:13096(-)

Retron_VI_HTH (PNDAENMF_00022)

16 18 19 20 21 23 24

IMGPR_plasmid_3300014552_000063 9100:24064(+)

Retron_VI_HTH (HCJBAHFK_00002)

5 4 3 1

IMGPR_plasmid_3300029235_000176 2049:14248(-)

Retron_VI_HTH (FFEKFMGN_00021)

19 20 22 23

IMGPR_plasmid_3300014788_000070 9108:24063(+)

HKKMCMFI_00019 HKKMCMFI_00020 HKKMCMFI_00021 HKKMCMFI_00022

IMGPR_plasmid_3300035658_000056 11377:26339(+)

NDKLGPHN_00001

IMGPR_plasmid_3300023540_000283 131:6248(-)

LINOLFPD_00002 LINOLFPD_00001

IMGPR_plasmid_3300014573_000092 21:6901(-)

Retron_VI_HTH (MCOCLANN_00005) Gao_let_letA (MCOCLANN_00002)

7 6 4 3 1

IMGPR_plasmid_3300029450_000131 403:17228(-)

Retron_VI_HTH (GIGFBBIC_00005) Gao_let_letA (GIGFBBIC_00003) ATP-dependent DNA helicase Rep (GIGFBBIC_00001)

7 6 4 2

IMGPR_plasmid_3300023492_000120 78:21033(-)

Retron_VI_HTH (PLLECFFP_00019) Gao_let_letA (PLLECFFP_00021)

17 18 20 22 23 24 25

IMGPR_plasmid_3300029516_000227 9130:29652(+)

Retron_VI_HTH (IGBEGJLG_00007) Gao_let_letA (IGBEGJLG_00005)

9 8 6 4 3 2 1

IMGPR_plasmid_3300029617_000190 351:21245(-)

Retron_VI_HTH (FKMCJLEF_00005) Gao_let_letA (FKMCJLEF_00003)

7 6 4 2 1

IMGPR_plasmid_3300007641_000095 376:18834(-)

Retron_VI_HTH (AMPOGBME_00008) ATP-dependent DNA helicase Rep (AMPOGBME_00001)

10 9 7 5 4 3 2

IMGPR_plasmid_3300029744_000230 140:22087(-)

Retron_VI_HTH (JECDDBIO_00020) Tyrosine recombinase XerC (JECDDBIO_00002)

18 19 21 22 24 1 3 4 5 6

IMGPR_plasmid_3300000279_000086 8938:5759(+)

9000 nt

Defence