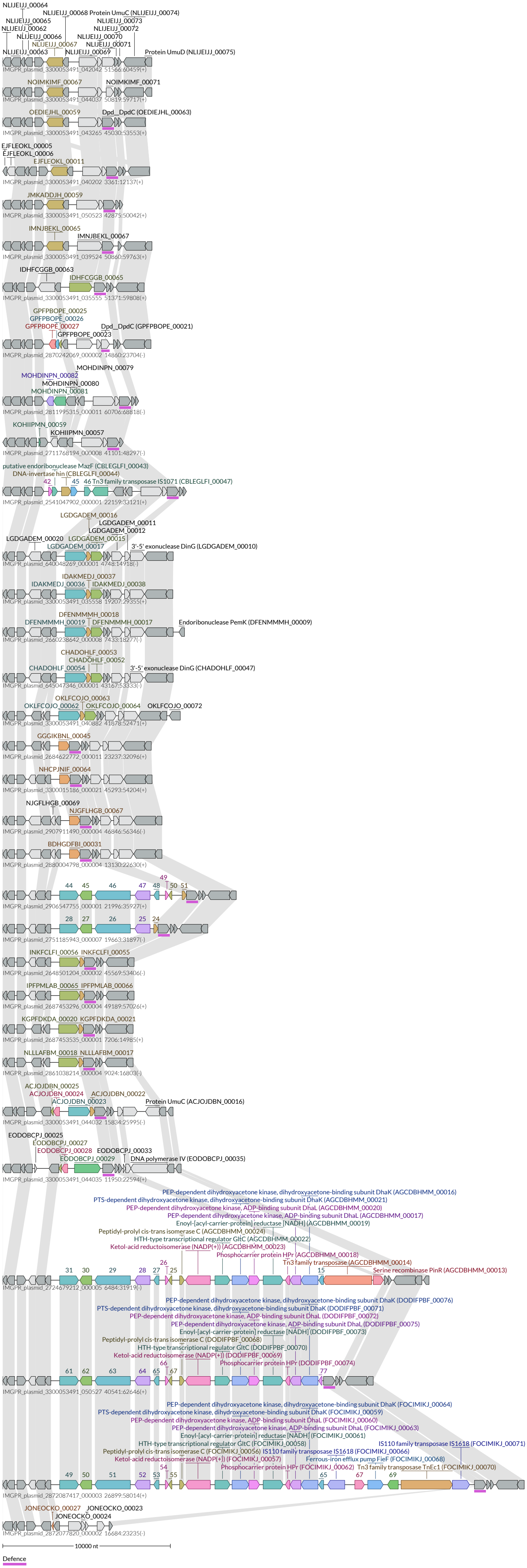
NLIJEIJJ_00064
NLIJEIJJ_00068 Protein UmuC (NLIJEIJJ_00074)
NLIJEIJJ_00065
NLIJEIJJ_00073
NLIJEIJJ_00062
NLIJEIJJ_00072
NLIJEIJJ_00066
NLIJEIJJ_00070
NLIJEIJJ_00067
NLIJEIJJ_00071
NLIJEIJJ_00063
NLIJEIJJ_00069
Protein UmuD (NLIJEIJJ_00075)
IMGPR_plasmid_3300053491_042042 51566:60459(+)
NOIMKIMF_00067
NOIMKIMF_00071
IMGPR_plasmid_3300053491_044037 50819:59717(+)
OEDIEJHL_00059
Dpd__DpdC (OEDIEJHL_00063)
IMGPR_plasmid_3300053491_043265 45030:53553(+)
EJFLEOKL_00005
EJFLEOKL_00006
EJFLEOKL_00011
IMGPR_plasmid_3300053491_040202 3361:12137(+)
JMKADDJH_00059
IMGPR_plasmid_3300053491_050523 42875:50042(+)
IMNJBEKL_00065
IMNJBEKL_00067
IMGPR_plasmid_3300053491_039524 50860:59763(+)
IDHFCGGB_00063
IDHFCGGB_00065
IMGPR_plasmid_3300053491_035555 51371:59808(+)
GPFPBOPE_00025
GPFPBOPE_00026
GPFPBOPE_00027
Dpd__DpdC (GPFPBOPE_00021)
GPFPBOPE_00023
IMGPR_plasmid_2870242069_000002 14860:23704(-)
MOHDINPN_00079
MOHDINPN_00082
MOHDINPN_00080
MOHDINPN_00081
IMGPR_plasmid_2811995315_000011 60706:68818(-)
KOHIIPMN_00059
KOHIIPMN_00057
IMGPR_plasmid_2711768194_000008 41101:48297(-)
putative endoribonuclease MazF (CBLEGLFI_00043)
DNA-invertase hin (CBLEGLFI_00044)
42
45
46 Tn3 family transposase IS1071 (CBLEGLFI_00047)
IMGPR_plasmid_2541047902_000001 22159:33121(+)
LGDGADEM_00016
LGDGADEM_00011
LGDGADEM_00012
LGDGADEM_00020
LGDGADEM_00015
LGDGADEM_00017
3'-5' exonuclease DinG (LGDGADEM_00010)
IMGPR_plasmid_640048269_000001 4748:14918(-)
IDAKMEDJ_00037
IDAKMEDJ_00036
IDAKMEDJ_00038
IMGPR_plasmid_3300053491_035558 19207:29355(+)
DFENMMMH_00018
DFENMMMH_00019
DFENMMMH_00017
Endoribonuclease PemK (DFENMMMH_00009)
IMGPR_plasmid_2660238642_000008 7433:18277(-)
CHADOHLF_00053
CHADOHLF_00052
CHADOHLF_00054
3'-5' exonuclease DinG (CHADOHLF_00047)
IMGPR_plasmid_645047346_000001 43167:53333(-)
OKLFCOJO_00063
OKLFCOJO_00062
OKLFCOJO_00064
OKLFCOJO_00072
IMGPR_plasmid_3300053491_040882 41878:52471(+)
GGGIKBNL_00045
IMGPR_plasmid_2684622772_000011 23237:32096(+)
NHCPJNIF_00064
IMGPR_plasmid_3300015186_000021 45293:54204(+)
NJGFLHGB_00069
NJGFLHGB_00067
IMGPR_plasmid_2907911490_000004 46846:56346(-)
BDHGDFBI_00031
IMGPR_plasmid_2880004798_000004 13130:22630(+)
44 45 46 47 48 49 50 51
IMGPR_plasmid_2906547755_000001 21996:35927(+)
28 27 26 25 24
IMGPR_plasmid_2751185943_000007 19663:31897(-)
INKFCLFI_00056 INKFCLFI_00055
IMGPR_plasmid_2648501204_000002 45569:53406(-)
IPFPMLAB_00065 IPFPMLAB_00066
IMGPR_plasmid_2687453296_000004 49189:57026(+)
KGPFDKDA_00020 KGPFDKDA_00021
IMGPR_plasmid_2687453535_000001 7206:14985(+)
NLLLAFBM_00018 NLLLAFBM_00017
IMGPR_plasmid_2861038214_000004 9024:16803(-)
ACJOJDBN_00025
ACJOJDBN_00024
ACJOJDBN_00022
ACJOJDBN_00023
Protein UmuC (ACJOJDBN_00016)
IMGPR_plasmid_3300053491_044032 15834:25995(-)
EODOBCPJ_00025
EODOBCPJ_00027
EODOBCPJ_00028
EODOBCPJ_00033
EODOBCPJ_00029
DNA polymerase IV (EODOBCPJ_00035)
IMGPR_plasmid_3300053491_044035 11950:22594(+)
PEP-dependent dihydroxyacetone kinase, dihydroxyacetone-binding subunit DhaK (AGCDBHMM_00016)
PTS-dependent dihydroxyacetone kinase, dihydroxyacetone-binding subunit DhaK (AGCDBHMM_00021)
PEP-dependent dihydroxyacetone kinase, ADP-binding subunit DhaL (AGCDBHMM_00020)
PEP-dependent dihydroxyacetone kinase, ADP-binding subunit DhaL (AGCDBHMM_00017)
Enoyl-[acyl-carrier-protein] reductase [NADH] (AGCDBHMM_00019)
Peptidyl-prolyl cis-trans isomerase C (AGCDBHMM_00024)
HTH-type transcriptional regulator GltC (AGCDBHMM_00022)
Ketol-acid reductoisomerase (NADP(+)) (AGCDBHMM_00023)
Phosphocarrier protein HPr (AGCDBHMM_00018)
Tn3 family transposase (AGCDBHMM_00014)
Serine recombinase PinR (AGCDBHMM_00013)
31 30 29 28 27 26 25 15
IMGPR_plasmid_2724679212_000005 6484:31919(-)
PEP-dependent dihydroxyacetone kinase, dihydroxyacetone-binding subunit DhaK (DODIFPBF_00076)
PTS-dependent dihydroxyacetone kinase, dihydroxyacetone-binding subunit DhaK (DODIFPBF_00071)
PEP-dependent dihydroxyacetone kinase, ADP-binding subunit DhaL (DODIFPBF_00072)
PEP-dependent dihydroxyacetone kinase, ADP-binding subunit DhaL (DODIFPBF_00075)
Enoyl-[acyl-carrier-protein] reductase [NADH] (DODIFPBF_00073)
Peptidyl-prolyl cis-trans isomerase C (DODIFPBF_00068)
HTH-type transcriptional regulator GltC (DODIFPBF_00070)
Ketol-acid reductoisomerase (NADP(+)) (DODIFPBF_00069)
Phosphocarrier protein HPr (DODIFPBF_00074)
61 62 63 64 65 66 67 77
IMGPR_plasmid_3300053491_050527 40541:62646(+)
PEP-dependent dihydroxyacetone kinase, dihydroxyacetone-binding subunit DhaK (FOCIMIKJ_00064)
PTS-dependent dihydroxyacetone kinase, dihydroxyacetone-binding subunit DhaK (FOCIMIKJ_00059)
PEP-dependent dihydroxyacetone kinase, ADP-binding subunit DhaL (FOCIMIKJ_00060)
PEP-dependent dihydroxyacetone kinase, ADP-binding subunit DhaL (FOCIMIKJ_00063)
Enoyl-[acyl-carrier-protein] reductase [NADH] (FOCIMIKJ_00061)
HTH-type transcriptional regulator GltC (FOCIMIKJ_00058)
IS110 family transposase IS1618 (FOCIMIKJ_00071)
Peptidyl-prolyl cis-trans isomerase C (FOCIMIKJ_00056)
IS110 family transposase IS1618 (FOCIMIKJ_00066)
Ketol-acid reductoisomerase (NADP(+)) (FOCIMIKJ_00057)
Ferrous-iron efflux pump FieF (FOCIMIKJ_00068)
Phosphocarrier protein HPr (FOCIMIKJ_00062)
Tn3 family transposase TnEc1 (FOCIMIKJ_00070)
49 50 51 52 53 54 55 65 67 69
IMGPR_plasmid_2872087417_000003 26899:58014(+)
JONEOCKO_00027
JONEOCKO_00023
JONEOCKO_00024
IMGPR_plasmid_2872077820_000002 16684:23235(-)
10000 nt
Defence