

Surface presentation of antigens protein SpaQ (ECLAOPEL\_00033)

Surface presentation of antigens protein SpaR (ECLAOPEL\_00034)

Surface presentation of antigens protein SpaS (ECLAOPEL\_00035)

IS3 family transposase ISSf11 (ECLAOPEL\_00038)

ECLAOPEL\_00036

ECLAOPEL\_00037

IMGPR\_plasmid\_2778261157\_000014 30638:34155(+)

IS3 family transposase ISSf11 (IAOMAMPJ\_00001)

IMGPR\_plasmid\_2778261150\_000013 16:3532(-)

IS3 family transposase ISSf11 (JDOIJLJM\_00041)

IS3 family transposase ISSf11 (JDOIJLJM\_00040) JDOIJLJM\_00042

IMGPR\_plasmid\_2724679542\_000015 31640:36618(+)

LIDMKCBG\_00039

IMGPR\_plasmid\_2663762926\_000019 31703:34700(+)

IS3 family transposase ISSf11 (CAEEEDLH\_00046)

IS3 family transposase ISSf11 (CAEEEDLH\_00045)

TTSS secreted effectors (VF0978) (CAEEEDLH\_00048)

Phosphothreonine lyase OspF (CAEEEDLH\_00049)

IMGPR\_plasmid\_2734482587\_000016 37775:45598(+)

IS3 family transposase ISSf11 (OLBPPJH\_00038)

OLBPPJH\_00039

IMGPR\_plasmid\_2734482567\_000022 30602:35452(+)

LPFCDNF\_00002

LPFCDNF\_00003 LPFCDNF\_00001

IMGPR\_plasmid\_2695420421\_000005 101:4751(-)

IS3 family transposase ISSf11 (CDHKHPhC\_00043)

IS3 family transposase IS3H (CDHKHPhC\_00045)

IS3 family transposase IS3H (CDHKHPhC\_00044)

IS3 family transposase ISSf11 (CDHKHPhC\_00042) 46 47

IMGPR\_plasmid\_2540341028\_000010 32484:39129(+)

IS3 family transposase ISSf11 (JFNHGCJD\_00005)

IS3 family transposase IS3H (JFNHGCJD\_00003)

IS3 family transposase IS3H (JFNHGCJD\_00004)

IS3 family transposase ISSf11 (JFNHGCJD\_00006) 2 1

IMGPR\_plasmid\_2713897140\_000011 642:7287(-)

IS3 family transposase IS600 (JHJIJGDL\_00040)

IS3 family transposase ISSf11 (JHJIJGDL\_00039)

JHJIJGDL\_00041

IMGPR\_plasmid\_2698536324\_000021 31705:36089(+)

Glycerol-3-phosphate transporter (IBABCJCN\_00002)

IS3 family transposase ISSf11 (IBABCJCN\_00005)

IS3 family transposase IS600 (IBABCJCN\_00006)

Hpt (VF0264) (IBABCJCN\_00003) 4 1

IMGPR\_plasmid\_2731957997\_000013 569:8963(-)

IS66 family transposase ISCro1 (HDFAPMHO\_00011)

TTSS secreted effectors (VF0978) (HDFAPMHO\_00009)

IS3 family transposase IS3H (HDFAPMHO\_00007)

IS3 family transposase IS600 (HDFAPMHO\_00005)

TTSS secreted effectors (VF0978) (HDFAPMHO\_00002)

IMGPR\_plasmid\_2734482598\_000006 172:16894(-)

IS4 family transposase IS421 (MOMFMLJP\_00010)

IS3 family transposase ISSd1 (MOMFMLJP\_00011)

Protein UmuC (MOMFMLJP\_00008) Pla (VF0139) (MOMFMLJP\_00007)

IMGPR\_plasmid\_2700989361\_000012 63:15986(-)

Surface presentation of antigens protein SpaN (HBPGEANG\_00029)

TTSS2 (VF0703) (HBPGEANG\_00031)

TTSS (VF0118) (HBPGEANG\_00030)

Surface presentation of antigens protein SpaS (HBPGEANG\_00035)

HBPGEANG\_00034

IMGPR\_plasmid\_2693429622\_000012 25707:30865(+)

Surface presentation of antigens protein SpaS (PMGPLDDH\_00003)

Surface presentation of antigens protein SpaS (PMGPLDDH\_00004)

IMGPR\_plasmid\_2695420822\_000013 255:5385(-)

Surface presentation of antigens protein SpaS (JAJCANKK\_00004)

Surface presentation of antigens protein SpaS (JAJCANKK\_00003)

IMGPR\_plasmid\_2751185962\_000008 668:5798(-)

AEFGMGOL\_00009

Surface presentation of antigens protein SpaR (AEFGMGOL\_00004)

IMGPR\_plasmid\_2751185968\_000011 668:6123(-)

IINFENGB\_00033

IMGPR\_plasmid\_3300000059\_000146 24902:28436(+)

Surface presentation of antigens protein SpaS (EKKKMODD\_00007)

Surface presentation of antigens protein SpaS (EKKKMODD\_00006)

EKKKMODD\_00003

EKKKMODD\_00002

IS3 family transposase IS3H (EKKKMODD\_00001)

IMGPR\_plasmid\_2537561620\_000014 43:6332(-)

6000 nt

Virulence