

NADPH-dependent FMN reductase ArsH (ALADEBCA\_00014)

Arsenical-resistance protein Acr3 (ALADEBCA\_00012)

ALADEBCA\_00015 ALADEBCA\_00017 ALADEBCA\_00018

Arsenate reductase (ALADEBCA\_00013)

IMGPR\_plasmid\_3300014810\_000005 8401:12983(+)

IMGPR\_plasmid\_2737471641\_000001 8310:12139(+)

IMGPR\_plasmid\_3300038488\_000002 118:7671(-)

IMGPR\_plasmid\_2065487011\_000006 889:8404(-)

IMGPR\_plasmid\_3300009685\_000013 8708:16461(+)

IMGPR\_plasmid\_3300008070\_000041 8323:16733(+)

IMGPR\_plasmid\_2857888719\_000001 10082:18158(+)

IMGPR\_plasmid\_2854144746\_000001 8240:16316(+)

IMGPR\_plasmid\_2636415631\_000004 65:9869(-)

IMGPR\_plasmid\_3300010356\_000144 8332:17440(+)

IMGPR\_plasmid\_3300009868\_000084 259:4235(-)

IMGPR\_plasmid\_3300010356\_000144 8332:17440(+)

IMGPR\_plasmid\_3300010356\_000144 8332:17440(+)

IMGPR\_plasmid\_3300010356\_000144 8332:17440(+)

IMGPR\_plasmid\_3300010356\_000144 8332:17440(+)

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IMGPR\_plasmid\_3300010356\_000144 8332:17440(+)

LHCBLMMJ\_00017

sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (AAAFPCDH\_00002)  
Phosphoglucosamine mutase (AAAFPCDH\_00003)

sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (HDDJPHEG\_00002)  
Phosphoglucosamine mutase (HDDJPHEG\_00003)

IS4 family transposase ISAb33 (HDDJPHEG\_00001)

sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (MDNKFOEP\_00021)  
Phosphoglucosamine mutase (MDNKFOEP\_00020)

DNA-3-methyladenine glycosylase 1 (MDNKFOEP\_00022)

sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (MFIDKMEN\_00020)  
Phosphoglucosamine mutase (MFIDKMEN\_00019)

IS1595 family transposase ISBb1 (MFIDKMEN\_00021)

sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (PHNCBOLH\_00021)  
Phosphoglucosamine mutase (PHNCBOLH\_00020)

HTH-type transcriptional regulator HmrR (PHNCBOLH\_00023)

sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (HNKHJPLE\_00020)  
Phosphoglucosamine mutase (HNKHJPLE\_00019)

HTH-type transcriptional regulator HmrR (HNKHJPLE\_00022)

sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (GKCGOANJ\_00005)  
Phosphoglucosamine mutase (GKCGOANJ\_00006)

IS4 family transposase ISAb1 (GKCGOANJ\_00003)

IS4 family transposase ISAb33 (GKCGOANJ\_00004)

tRNA-specific adenosine deaminase (BLMKEAIK\_00018)

DEDDh\_I\_II\_III\_IV\_V\_VI\_1 (BLMKEAIK\_00020)

Phosphoenolpyruvate synthase (BLMKEAIK\_00022)

IBBGFFMI\_00006

IBBGFFMI\_00001

3000 nt

Defence AMR

Defence AMR

