PhoH-like phosphate starvation-inducible (CDS_0029)
CDS_0026
CDS_0032
CDS_0024
CDS_0028
CDS_0034
CDS_0025
transposase (CDS_0030)
CDS_0033
CDS_0023
CDS_0027
CDS_0031
CDS_0035
CDS_0036
IMGVR_UViG_3300011831_000001|3300011831|Ga0121554_100068 20305:29191(+)
CDS_0029
IMGVR_UViG_2834043822_000005|2834043822|2834043844 18452:27621(+)
CDS_0030
IMGVR_UViG_2869846256_000001|2869846256|2869846257 18647:27666(+)
PhoH-like phosphate starvation-inducible (CDS_0029)
CDS_0022
CDS_0030
IMGVR_UViG_2869861177_000001|2869861177|2869861179 18309:27711(+)
CDS_0036
CDS_0030
CDS_0037
IMGVR_UViG_2874860209_000001|2874860209|2874860211 18695:28595(+)
CDS_0019
CDS_0024
CDS_0025
IMGVR_UViG_3300045988_158219|3300045988|Ga0495776_017896 16342:26339(+)
CDS_0026
tail fiber protein proximal subunit (CDS_0031)
uvig_317016 19485:31961(+)
tail fiber protein proximal subunit (CDS_0031)
uvig_393173 19817:32284(+)
CDS_0029
IMGVR_UViG_3300011905_000001|3300011905|Ga0121030_100025 18614:28250(+)
CDS_0030
Bacteriophage abortive infection AbiH__AbiH (CDS_0031)
IMGVR_UViG_2531839402_000001|2531839402|2531894960 18681:29219(+)
CDS_0029
CDS_0030
IMGVR_UViG_2906160580_000006|2906160580|2906160601 18670:28415(+)
PhoH-like phosphate starvation-inducible (CDS_0030)
tail fiber protein proximal subunit (CDS_0031)
IMGVR_UViG_3300045988_144654|3300045988|Ga0495776_016376 19107:32053(+)
PhoH-like phosphate starvation-inducible (CDS_0031)
PhoH-like phosphate starvation-inducible (CDS_0032)
IMGVR_UViG_2869455143_000003|2869455143|2869455152 28193:35718(+)
Rst_DUF4238__DUF4238_Pers (CDS_0032)
CDS_0031
CDS_0033
IMGVR_UViG_2671180845_000001|2671180845|2671285609 19406:29793(+)
Rst_DUF4238__DUF4238_Pers (CDS_0031)
CDS_0030
CDS_0032
IMGVR_UViG_3300012283_000001|3300012283|Ga0122179_100031 18612:29874(+)
CDS_0030
CDS_0023 CDS_0024 CDS_0029
CDS_0031
IMGVR_UViG_2751185361_000002|2751185361|2751194658 18257:28445(+)
CDS_0027
CDS_0026
CDS_0028
IMGVR_UViG_2751185277_000002|2751185277|2751189666 17042:27189(+)
CDS_0030
CDS_0029
CDS_0031
IMGVR_UViG_2851928055_000001|2851928055|2851928056 18674:27589(+)
PhoH-like phosphate starvation-inducible (CDS_0027)
CDS_0029
CDS_0028
CDS_0030
IMGVR_UViG_2747842692_000001|2747842692|2747861155 17815:28455(+)
CDS_0029
CDS_0021
CDS_0028
CDS_0030
IMGVR_UViG_2751185344_000002|2751185344|2751193701 17620:28187(+)
CDS_0032
CDS_0025 CDS_0026 CDS_0031
CDS_0033
IMGVR_UViG_2718217729_000001|2718217729|2718227843 19289:29575(+)
CDS_0030
CDS_0033
CDS_0029
CDS_0031
IMGVR_UViG_3300011712_000001|3300011712|Ga0122185_100036 18723:27933(+)
CDS_0030
CDS_0029
CDS_0031
MGV-GENOME-0362458 18675:27881(+)
CDS_0034
CDS_0033
CDS_0035
IMGVR_UViG_2775507004_000006|2775507004|2775534412 19522:29977(+)
PhoH-like phosphate starvation-inducible (CDS_0029)
CDS_0031
CDS_0030
CDS_0032
IMGVR_UViG_2924943408_000001|2924943408|2924943411 19063:28738(+)
CDS_0020
CDS_0026
IMGVR_UViG_3300014614_000001|3300014614|Ga0134326_10008 19093:26524(+)
CDS_0030
Bacteriophage abortive infection AbiH__AbiH (CDS_0031)
IMGVR_UViG_3300029140_000003|3300029140|Ga0120226_1018 21002:29137(+)
CDS_0027
CDS_0032
IMGVR_UViG_2916255364_000001|2916255364|2916255365 19933:28963(+)
CDS_0029
CDS_0025 CDS_0026
CDS_0028
IMGVR_UViG_2639762822_000001|2639762822|2639799541 17721:28403(+)
CDS_0027
CDS_0030
IMGVR_UViG_2690315794_000002|2690315794|2690320750 18265:28657(+)
CDS_0045
CDS_0044
CDS_0046
uvig_578272 36608:43931(+)
30
21 22
27 28 29
31
IMGVR_UViG_2859068660_000004|2859068660|2859068660 18083:27500(+)
30
25
27 28 29
31
IMGVR_UViG_2905833703_000001|2905833703|2905833724 17704:27448(+)
CDS_0026
CDS_0024
CDS_0027
IMGVR_UViG_2602041673_000001|2602041673|2602074305 17699:26745(+)
CDS_0027
CDS_0028
IMGVR_UViG_2654587801_000001|2654587801|2654607708 17899:27341(+)
CDS_0028
CDS_0027
CDS_0029
IMGVR_UViG_2880329822_000001|2880329822|2880329823 17916:28674(+)
CDS_0026
CDS_0025
CDS_0027
IMGVR_UViG_2937357040_000001|2937357040|2937357164 17232:27171(+)
trimethoprim-resistant dihydrofolate reductase DfrA35 (NF033851.1) (CDS_0035)
sulfonamide-resistant dihydropteroate synthase Sul4 (NF033502.0) (CDS_0033)
multidrug efflux SMR transporter EmrE (NF042984.1) (CDS_0034)
acetyltransferase (CDS_0032)
transposase (CDS_0030)
integrase (CDS_0036)
31
37
38 39 40 DNA invertase (CDS_0041)
IMGVR_UViG_2568526642_000001|2568526642|2568585606 23237:37103(+)
integrase (CDS_0033)
31
34
35 36 37 DNA invertase (CDS_0038)
IMGVR_UViG_2791355274_000001|2791355274|2791388111 22611:34155(+)
DNA invertase (CDS_0036)
transposase (CDS_0031)
transposase (CDS_0030)
32
33 34 35
transposase (CDS_0037)
IMGVR_UViG_2869468289_000001|2869468289|2869468293 20338:34358(+)
transposase (CDS_0035)
DNA invertase (CDS_0030) 31 32 33
34
transposase (CDS_0036)
IMGVR_UViG_3300013612_000001|3300013612|Ga0122017_10013 20305:33167(+)
transposase (CDS_0030)
31
32 33 34 DNA invertase (CDS_0035)
IMGVR_UViG_3300045988_146001|3300045988|Ga0495776_074431 20305:31692(+)
transposase (CDS_0030)
31
32 33 34 DNA invertase (CDS_0035)
IMGVR_UViG_2869855973_000001|2869855973|2869855975 20305:31001(+)
sulfonamide-resistant dihydropteroate synthase Sul4 (NF033502.0) (CDS_0033)
multidrug efflux SMR transporter EmrE (NF042984.1) (CDS_0034)
acetyltransferase (CDS_0032)
transposase (CDS_0030)
integrase (CDS_0035)
31
36
37 38 39 DNA invertase (CDS_0040)
IMGVR_UViG_2571042784_000002|2571042784|2571147105 20305:36165(+)
transposase (CDS_0030)
31
32 33
transposase (CDS_0034)
IMGVR_UViG_2571042556_000002|2571042556|2571127515|185-108460 20305:32788(+)
CDS_0031
transposase (CDS_0030)
CDS_0032
IMGVR_UViG_2791355274_000005|2791355274|2791388111|3572-109489 20305:30430(+)
arsenite efflux transporter metallochaperone ArsD (NF033727.1) (CDS_0039)
arsenite efflux transporter membrane subunit ArsB (NF033877.0) (CDS_0041)
DNA invertase (CDS_0036)
PRK|PRK10026.1: glutaredoxin-dependent arsenate reductase (NF007456.1) (CDS_0042)
transposase (CDS_0031)
transposase (CDS_0037)
DNA invertase (CDS_0044)
transposase (CDS_0030)
32
33 34 35
38
40
43
transposase (CDS_0045)
IMGVR_UViG_2924902001_000001|2924902001|2924902003 20305:43135(+)
transposase (CDS_0030)
CDS_0031
MGV-GENOME-0369929 20976:28801(+)
CDS_0030
uvig_371057 20976:27501(+)
CDS_0033
IMGVR_UViG_2731957818_000004|2731957818|2732013258 21792:28574(+)
CDS_0033
CDS_0035
CDS_0032
CDS_0034
IMGVR_UViG_2791355282_000010|2791355282|2791388544|4715-113165 21648:29410(+)
DNA invertase (CDS_0032)
CDS_0031
transposase (CDS_0030)
CDS_0033
IMGVR_UViG_3300012217_000005|3300012217|Ga0121726_10017|2-108844 20976:30956(+)
CDS_0031
transposase (CDS_0033)
CDS_0030
CDS_0032
IMGVR_UViG_2571042202_000011|2571042202|2571057999|459-110986 20976:30065(+)
transposase (CDS_0033)
DNA invertase (CDS_0040)
transposase (CDS_0032)
34 35 36
37 38 39
41
IMGVR_UViG_2814123055_000002|2814123055|2814173071 21648:35511(+)
transposase (CDS_0030)
DNA invertase (CDS_0037)
31 32 33
34 35 36
38
uvig_315137 20976:33512(+)
transposase (CDS_0031)
DNA invertase (CDS_0038)
transposase (CDS_0030)
32 33 34
35 36 37
transposase (CDS_0039)
IMGVR_UViG_2657245418_000001|2657245418|2657297953 20976:36166(+)
transposase (CDS_0031)
DNA invertase (CDS_0038)
transposase (CDS_0030)
32 33 34
35 36 37
39
IMGVR_UViG_2775507057_000005|2775507057|2775537468 20976:33365(+)
PRK|PRK10026.1: glutaredoxin-dependent arsenate reductase (NF007456.1) (CDS_0035)
arsenite efflux transporter metallochaperone ArsD (NF033727.1) (CDS_0032)
arsenite efflux transporter membrane subunit ArsB (NF033877.0) (CDS_0034)
PhoH-like phosphate starvation-inducible (CDS_0028)
DNA invertase (CDS_0037)
29
30
31
33
36
transposase (CDS_0038)
IMGVR_UViG_2916238902_000001|2916238902|2916238904 18295:36885(+)
PRK|PRK10026.1: glutaredoxin-dependent arsenate reductase (NF007456.1) (CDS_0040)
arsenite efflux transporter metallochaperone ArsD (NF033727.1) (CDS_0043)
transposase (CDS_0036)
arsenite efflux transporter membrane subunit ArsB (NF033877.0) (CDS_0041)
transposase (CDS_0035)
DNA invertase (CDS_0038)
45
32
33
34
transposase (CDS_0037)
39
42
44
46
IMGVR_UViG_2916199983_000001|2916199983|2916199985 19945:41669(+)
transposase (CDS_0029)
transposase (CDS_0032)
30
28
31
Sta (VF0953) (CDS_0033)
IMGVR_UViG_3300014589_000014|3300014589|Ga0121349_100014|55-106994 17816:27588(+)
CDS_0028
IMGVR_UViG_2576861263_000006|2576861263|2576879894|11236-112494 19451:26647(+)
9000 nt
DNA, RNA and nucleotide metabolism
integration and excision
other
tail
unknown function
Defence
Virulence
AMR