

APG61518.1  
CP018154.1:29118-31930  
*Sphingorhabdus lutea*

EAV4197062.1  
AADXUG01000053.1:1-1552  
*Salmonella enterica*

ECE5984400.1  
AAIIMK01000006.1:1-2342  
*Salmonella enterica subsp. salamae*

ECG1423308.1  
AAINKS010000036.1:1-2715  
*Salmonella enterica subsp. salamae str. CFSAN000559*

EFF2352473.1  
AASPJR010000175.1:34-1269  
*Escherichia coli*

HED13787.1  
DRJH01000282.1:4527-7704  
*Gammaproteobacteria bacterium*

MBC3874909.1  
JACOGA010000014.1:39184-46790  
*Undibacterium flavidum*

MBI4717900.1  
JACQXM010000028.1:1-8347  
*Planctomycetota bacterium*

MBL3967542.1  
JACFYV010000346.1:2798-4151  
*Burkholderia sp. KCJ3K979*

MBP82149.1  
PBSU01000071.1:12-3504  
*Acidiferrobacteraceae bacterium*

MBX2867242.1  
JAHQWE010000005.1:56193-63643  
*Acidiferrobacterales bacterium*

MCP2006314.1  
JALJZU010000001.1:509-10805  
*Duganella violaceipulchra*

NND82879.1  
JABDKW010000045.1:43947-48728  
*Gammaproteobacteria bacterium*

PZN85263.1  
QJPH01000128.1:569-4305  
*Candidatus Methylumidiphilus alinenensis*

RDH41231.1  
NDXW01000011.1:7133-14099  
*Zooshikella ganghwensis*

RDT01634.1  
QRBC01000424.1:3656-6362  
*Burkholderia contaminans*

RMF38899.1  
RFIR01000207.1:6983-10895  
*Alphaproteobacteria bacterium*

VFK64474.1  
CAADFZ010000047.1:84-4324  
*Candidatus Kentrum sp. UNK*

WP\_119183348.1  
NZ\_QWT001000374.1:2184-3757  
*Shigella dysenteriae*

WP\_223689414.1  
NZ\_AP027926.1:2203677-2211358  
*Escherichia fergusonii*

WP\_060060934.1  
NZ\_JAIZRB010000003.1:552566-558875  
*Burkholderia cepacia*

WP\_167376255.1  
NZ\_CAWNGD010000128.1:94394-98796  
*Xenorhabdus vietnamensis*

WP\_197716558.1  
NZ\_AP017928.1:3903660-3908396  
*Methylocaldum marinum*

WP\_132141808.1  
NZ\_SMC01000001.1:896729-907906  
*Luteibacter rhizovicinus*

WP\_140918252.1  
NZ\_JABMLK010000002.1:723908-726705  
*Limnobaculum xujianqingii*

WP\_143555187.1  
NZ\_VJWA01000001.1:1175140-1178385  
*Glacieibacterium frigidum*

WP\_153718246.1  
NZ\_WJPP01000001.1:78400-82759  
*Spiribacter salilacus*

WP\_205310503.1  
NZ\_JAERPS020000001.1:1070833-1075392  
*Rheinheimera maricola*

WP\_217148021.1  
NZ\_JAFMOY010000107.1:56454-60160  
*Rahnella ecdela*

WP\_253331983.1  
NZ\_JAMYWQ010000016.1:38499-48376  
*Serratia nevei*

? Imm-NTF2-2 RHS DUF4329 ? ?

RHS Tox-JAB2 ? SymE\_toxin

RHS Tox-JAB2 ? DUF1198

RHS Tox-JAB2 ? Tox-PLA2

Tox-JAB2 Imm-NTF2-2 ?

? ? Tox-JAB2 ? Acetylase

RHS Tox-JAB2 Tc-R-P RHS Tox-JAB2 ? RHS RHS RHS RHS

FlgD\_ig ? DUF6531 RHS\_repeat RHS RHS RHS RHS DUF4329 IG IG FlgD\_ig FlgD\_ig ?

Imm50 ? RHS Tox-JAB2

DUF4329 EamA EamA ACPS

HlyD\_3 ACR\_tran DUF4329 ? Glyco\_hydro\_3

Imm-NTF2-2 Kelch\_4 Big\_5 CarboxypepD\_reg DUF6531 RHS\_repeat RHS RHS\_repeat RHS\_repeat RHS\_repeat RHS RHS\_repeat RHS DUF4329 RHS TIG TIG RoxA-like\_Cyt-c CCP\_MauG

Methyltransf\_9 Methyltransf\_25 DUF4329 Mem\_trans ?

DDE\_Tnp\_1\_4 ? Tox-JAB2 Band-7 Band-7

DUF1778 ? RHS DUF4329 ? DUF6531 RHS\_repeat RHS RHS RHS RHS Ntox18

? ? RHS Tox-JAB2

GatB\_N GatB\_Yqey ? PAAR\_motif DUF4329 ? ?

? DUF637 Tox-JAB2 Pentapeptide GMP\_synt\_C NAD\_synthase GATase

Imm-NTF2-2 ? RHS Tox-JAB2

DcrB ? SymE\_toxin PAAR PAAR\_motif DUF6531 RHS RHS RHS RHS Tox-JAB2 Phage\_GPD VgrG FlcC

DUF6531 RHS RHS Tox-JAB2 CarboxypepD-reg-IG PAAR\_motif ? ?

ABC2\_membrane\_3 ABC2\_membrane\_3 ? ? Tox-JAB2

? ? iwA-helicalNterm DDE\_Tnp\_1\_3 ? RHS Tox-JAB2

ACR\_tran CusB\_dom\_1 HlyD\_D23 DUF6531 RHS RHS\_repeat RHS RHS Tox-JAB2 ? EryCIII-like\_C

Imm33 ? DUF4329 RHS HTH

HTH Hydantoinase\_B Tox-JAB2 Sdh\_cyt DDR1-2\_DS-like PEP-CTERM

SufE ? Tox-JAB2 ICLR-HTH Aminotran\_5

DUF938 SRAP RHS Tox-JAB2 ? ?

RHS STox-18 ? RHS RHS Tox-JAB2

RHS Imm-NTF2-2 DUF6531 RHS\_repeat RHS RHS RHS\_repeat RHS Tox-JAB2 Phage\_GPD VgrG Integrase\_1 Phage\_int\_SAM\_2