endolysin (CDS_0024)
protease (CDS_0025)
TemPhD_cluster_50936 18859:27459(+)
uvig_78113 18838:27430(+)
uvig_161215 18859:29444(+)
uvig_389782 18828:27889(+)
anti-repressor (CDS_0030)
IMGVR_UViG_3300029880_000021|3300029880|Ga0245255_100705 18838:28179(+)
KatA (VF0454) (CDS_0027)
IMGVR_UViG_3300029099_000230|3300029099|Ga0169186_100008|229586-270922 18836:31428(+)
IMGVR_UViG_3300014824_000624|3300014824|Ga0134492_1000146|18111-58367 18838:30919(+)
IMGVR_UViG_3300007296_000280|3300007296|Ga0104830_100127|40892-80830 18836:30597(+)
IMGVR_UViG_3300029852_000364|3300029852|Ga0245291_100084|7165-44580 18838:28107(+)
anti-repressor (CDS_0033)
endonuclease (CDS_0034)
uvig_198718 18856:29148(+)
anti-repressor (CDS_0031)
uvig_426588 18838:30956(+)
anti-repressor (CDS_0040)
uvig_148062 30026:37432(+)
uvig_166405 33823:40498(+)
anti-repressor (CDS_0032)
endonuclease (CDS_0033)
uvig_481285 17282:30990(+)
endonuclease (CDS_0035)
anti-repressor (CDS_0034)
uvig_120758 19380:34348(+)
uvig_123397 18985:30077(+)
IMGVR_UViG_3300029037_000187|3300029037|Ga0169705_100070|93-34949 17307:25347(+)
anti-repressor (CDS_0034)
IMGVR_UViG_7000000549_000054|7000000549|SRS013521_LANL_scaffold_5959 18944:29503(+)
anti-repressor (CDS_0031)
IMGVR_UViG_7000000515_000019|7000000515|SRS049995_LANL_scaffold_10249 18925:28830(+)
IMGVR_UViG_7000000081_000152|7000000081|SRS017307_Baylor_scaffold_9937 18482:25716(+)
IMGVR_UViG_3300006739_000307|3300006739|Ga0101793_100326|140-36701 18835:27023(+)
IMGVR_UViG_3300029752_000205|3300029752|Ga0243766_100011|96433-136823 18835:30852(+)
uvig_2821 18832:27147(+)
uvig_198322 36083:42676(+)
KatA (VF0454) (CDS_0028)
IMGVR_UViG_3300029090_000114|3300029090|Ga0169218_100310|6176-43843 17166:27729(+)
IMGVR_UViG_3300014798_000228|3300014798|Ga0134382_1000257|14141-51178 17172:26810(+)
IMGVR_UViG_3300008081_000022|3300008081|Ga0113559_100629 17158:26877(+)
IMGVR_UViG_3300006525_000215|3300006525|Ga0101027_100635 17158:24941(+)
IMGVR_UViG_3300029622_000448|3300029622|Ga0245124_1000187|97311-135669 17155:28563(+)
IMGVR_UViG_3300029052_000258|3300029052|Ga0169758_100018|10196-50218 18835:30714(+)
IMGVR_UViG_3300000290_000268|3300000290|EM291_1002182|33667-73693 18838:30689(+)
IMGVR_UViG_3300029535_000144|3300029535|Ga0244855_100011|120494-160630 18952:30830(+)
IMGVR_UViG_3300000278_000035|3300000278|EM209_1003624 18835:27252(+)
IMGVR_UViG_3300029675_000319|3300029675|Ga0245254_100090|84311-125146 18838:31281(+)
IMGVR_UViG_3300007921_000292|3300007921|Ga0111562_100050|35526-72435 18921:27626(+)
uvig_273253 18553:26657(+)
IMGVR_UViG_7000000075_000150|7000000075|SRS016056_WUGC_scaffold_4105 18835:30281(+)
IMGVR_UViG_7000000587_000128|7000000587|SRS023971_Baylor_scaffold_1688|6025-45764 18835:30431(+)
IMGVR_UViG_3300008103_000276|3300008103|Ga0114180_100016|98563-137299 18835:28798(+)
IMGVR_UViG_3300029336_000386|3300029336|Ga0243752_100141|91782-131612 18835:30707(+)
IMGVR_UViG_3300014938_000105|3300014938|Ga0134444_100031|97701-140629 18835:30701(+)
IMGVR_UViG_3300029840_000323|3300029840|Ga0245268_100073|32405-68880 18925:27129(+)
IMGVR_UViG_3300030438_000074|3300030438|Ga0168793_100873 18920:26996(+)
IMGVR_UViG_3300029100_000196|3300029100|Ga0169234_100143|23785-62866 18906:29042(+)
uvig_43450_ 18943:26805(+)
IMGVR_UViG_3300029247_000278|3300029247|Ga0168719_1000078|100373-138053 18925:27848(+)
IMGVR_UViG_3300008716_000253|3300008716|Ga0113874_100005|218040-254715 18925:26851(+)
IMGVR_UViG_3300007356_000236|3300007356|Ga0104763_100367|9451-50013 18925:30768(+)
IMGVR_UViG_3300023485_000164|3300023485|Ga0257032_10077|45451-82627 18834:27137(+)
uvig_70623 18961:28429(+)
Tad1 anti-Thoeris (APIS024) (CDS_0033)
uvig_15461 18977:27285(+)
IMGVR_UViG_3300014563_000006|3300014563|Ga0134418_1000200 18966:26828(+)
uvig_164132 18834:29216(+)
toxin (CDS_0029)
uvig_401743 18482:27342(+)
IMGVR_UViG_3300008620_000215|3300008620|Ga0111272_100157|38051-78966 18835:30987(+)
IMGVR_UViG_3300008385_000012|3300008385|Ga0114873_100361 18835:27794(+)
IMGVR_UViG_7000000434_000111|7000000434|SRS014287_WUGC_scaffold_14983 18835:28820(+)
IMGVR_UViG_3300014559_000005|3300014559|Ga0134386_100290 18304:26168(+)
IMGVR_UViG_3300029212_000216|3300029212|Ga0168695_100026|87315-123569 18921:26974(+)
IMGVR_UViG_7000000187_000029|7000000187|SRS022609_Baylor_scaffold_23342 18925:26926(+)
IMGVR_UViG_7000000385_000177|7000000385|SRS017433_Baylor_scaffold_1419|6554-44173 18925:28312(+)
uvig_462767 26004:31689(+)
IMGVR_UViG_3300008268_000309|3300008268|Ga0111491_1000636 19449:32131(+)
IMGVR_UViG_3300007806_000156|3300007806|Ga0105890_100166|3-39870 19444:30583(+)
IMGVR_UViG_3300029555_000214|3300029555|Ga0245053_100152|3-38937 18921:29627(+)
IMGVR_UViG_3300029577_000415|3300029577|Ga0244883_100007|331540-367623 18925:26776(+)
IMGVR_UViG_3300029539_000140|3300029539|Ga0244892_100449 18925:31517(+)
IMGVR_UViG_3300029214_000212|3300029214|Ga0168682_100115|99677-135406 18925:26422(+)
IMGVR_UViG_3300029248_000257|3300029248|Ga0168696_1000162|11861-45999 17282:24831(+)
IMGVR_UViG_3300008728_000344|3300008728|Ga0115675_100370|249-44628 28393:35071(+)
uvig_267647 22818:29262(+)
IMGVR_UViG_7000000192_000104|7000000192|SRS017821_Baylor_scaffold_6630 19811:30141(+)
IMGVR_UViG_7000000740_000028|7000000740|SRS064276_LANL_scaffold_24168 19349:29826(+)
uvig_281573 19359:31110(+)
uvig_517296 19571:27101(+)
uvig_31556 19935:34193(+)
uvig_122284 19778:34862(+)
IMGVR_UViG_3300029056_000199|3300029056|Ga0169699_100446 19362:32924(+)
IMGVR_UViG_3300029541_000198|3300029541|Ga0244914_100284|91-34806 17282:24883(+)
IMGVR_UViG_7000000624_000474|7000000624|SRS024435_LANL_scaffold_22354|3-33435 17282:24125(+)
IMGVR_UViG_3300007797_000308|3300007797|Ga0105663_100309|2-35620 17277:25580(+)
IMGVR_UViG_3300023505_000268|3300023505|Ga0257035_100327|8611-43464 17282:25546(+)
anti-repressor (CDS_0028)
IMGVR_UViG_3300008101_000085|3300008101|Ga0114024_100961 17282:25415(+)
IMGVR_UViG_7000000246_000073|7000000246|SRS078176_LANL_scaffold_6682 17282:25298(+)
uvig_401209 17282:32531(+)
KatA (VF0454) (CDS_0026)
IMGVR_UViG_3300039380_000123|3300039380|Ga0169855_00027|19389-55022 17141:26536(+)
IMGVR_UViG_3300029728_000260|3300029728|Ga0245197_100186|18063-53249 17317:26559(+)
IMGVR_UViG_3300029618_000319|3300029618|Ga0245134_100520|18068-54787 17161:27171(+)
IMGVR_UViG_3300029747_000344|3300029747|Ga0245228_100233|75542-111497 17156:26633(+)
IMGVR_UViG_3300008599_000295|3300008599|Ga0111091_100146|39485-73444 17485:27093(+)
endonuclease (CDS_0028)
uvig_492502 17366:24715(+)
uvig_157723 17255:26279(+)
endonuclease (CDS_0027)
uvig_516336 17485:25475(+)
IMGVR_UViG_3300029791_000464|3300029791|Ga0243849_100743|3-38433 17158:29122(+)
IMGVR_UViG_3300029434_000315|3300029434|Ga0243855_1000005|7230-40772 17158:24234(+)
IMGVR_UViG_3300029794_000472|3300029794|Ga0243854_100767|2-38153 17158:28843(+)
IMGVR_UViG_3300029443_000438|3300029443|Ga0243848_1000806|2-37505 17158:28195(+)
anti-CRISPR-Cas (AcrIIA9) (CDS_0038)
IMGVR_UViG_3300029471_000173|3300029471|Ga0244196_100044|20862-70874 17282:40102(+)
uvig_227381 17282:39761(+)
IMGVR_UViG_3300007360_000406|3300007360|Ga0104766_1000349|116-49496 17282:39527(+)
9000 nt
DNA, RNA and nucleotide metabolism
lysis
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Virulence
Anti-defence