CDS_0003 CDS_0002 CDS_0004 CDS_0005 CDS_0007 CDS_0006 CDS_0008 CDS_0009 CDS_0011 CDS_0010 CDS_0012 DNA primase (CDS_0013) CDS_0014 CDS_0015 CDS_0016
MGV-GENOME-0173259 661:7934(+)
CDS_0059 CDS_0058 CDS_0056 CDS_0055 CDS_0051 CDS_0046 CDS_0045 CDS_0044 DNA primase/helicase (CDS_0043)
IMGVR_UViG_3300029340_000012|3300029340|Ga0243727_1000380 33732:42909(-)
CDS_0041 CDS_0038 CDS_0037 SspBCDE__SspD (CDS_0036)
uvig_39813 22615:30853(-)
SspBCDE__SspD (CDS_0040)
MGV-GENOME-0232678 23880:31310(-)
SspBCDE__SspD (CDS_0053)
MGV-GENOME-0296050 35868:43369(-)
CDS_0047
IMGVR_UViG_3300045988_007538|3300045988|Ga0495776_071134 32039:39338(-)
CDS_0041 CDS_0039
MGV-GENOME-0229498 22941:30649(-)
CDS_0046
MGV-GENOME-0266021 29233:36936(-)
CDS_0058 CDS_0056
uvig_434734_ 38942:46341(-)
CDS_0054 CDS_0051
uvig_281110 35214:43693(-)
CDS_0060 CDS_0054
uvig_491117_ 36736:45001(-)
SspBCDE__SspD (CDS_0048) CDS_0045 CDS_0044
MGV-GENOME-0319293 31299:40149(-)
CDS_0070 CDS_0069 tRNA splicing ligase (CDS_0064)
uvig_278794 48969:57869(-)
CDS_0062 tRNA splicing ligase (CDS_0057) CDS_0051
IMGVR_UViG_3300045988_011191|3300045988|Ga0495776_117030 37033:45930(-)
tRNA splicing ligase (CDS_0054) CDS_0052 CDS_0048
uvig_281347 37441:46514(-)
tRNA splicing ligase (CDS_0044)
IMGVR_UViG_3300045988_006437|3300045988|Ga0495776_157864 30496:38933(-)
CDS_0053
MGV-GENOME-0350907 33585:42657(-)
tRNA splicing ligase (CDS_0043)
uvig_276011 24824:33841(-)
CDS_0055 tRNA splicing ligase (CDS_0054)
IMGVR_UViG_3300045988_007959|3300045988|Ga0495776_006709 35970:43925(-)
tRNA splicing ligase (CDS_0054)
MGV-GENOME-0300974 36133:44325(-)
tRNA splicing ligase (CDS_0046)
MGV-GENOME-0276232 31111:38911(-)
tRNA splicing ligase (CDS_0041)
MGV-GENOME-0256671 27109:35313(-)
tRNA splicing ligase (CDS_0010)
MGV-GENOME-0300656 429:8628(+)
tRNA splicing ligase (CDS_0041)
MGV-GENOME-0236061 23770:31959(-)
tRNA splicing ligase (CDS_0052)
MGV-GENOME-0298895 35976:43767(-)
tRNA splicing ligase (CDS_0053)
MGV-GENOME-0296850 35655:43246(-)
tRNA splicing ligase (CDS_0054)
uvig_271037 35595:43591(-)
CDS_0054 tRNA splicing ligase (CDS_0053)
IMGVR_UViG_3300045988_021958|3300045988|Ga0495776_098605 35838:43632(-)
tRNA splicing ligase RtcB (CDS_0054) CDS_0053
IMGVR_UViG_3300023545_000336|3300023545|Ga0257041_100304|2508-48450 35566:43362(-)
CDS_0033 CDS_0032
MGV-GENOME-0215567 20331:28181(-)
CDS_0031
MGV-GENOME-0189758 15798:23649(-)
CDS_0058
IMGVR_UViG_3300045988_032775|3300045988|Ga0495776_164008 39404:46759(-)
tRNA splicing ligase RtcB (CDS_0054) CDS_0053
IMGVR_UViG_3300045988_010729|3300045988|Ga0495776_093008 34694:42194(-)
CDS_0011
MGV-GENOME-0169822 1212:9062(+)
CDS_0054 CDS_0048
MGV-GENOME-0319375 35465:43503(-)
CDS_0029 CDS_0028 CDS_0027
MGV-GENOME-0200240 17849:26538(-)
CDS_0053
IMGVR_UViG_3300045988_007596|3300045988|Ga0495776_015950 36064:43249(-)
CDS_0053
IMGVR_UViG_3300045988_025000|3300045988|Ga0495776_098581 36029:43618(-)
SspBCDE__SspD (CDS_0054)
IMGVR_UViG_3300029668_000187|3300029668|Ga0245235_100140|5121-50972 35600:43290(-)
SspBCDE__SspD (CDS_0038)
MGV-GENOME-0220887 21413:28714(-)
tRNA splicing ligase (CDS_0053)
IMGVR_UViG_3300029334_000007|3300029334|Ga0243717_1000501 35535:43461(-)
tRNA splicing ligase (CDS_0039)
MGV-GENOME-0258476 27687:35614(-)
tRNA splicing ligase (CDS_0040)
MGV-GENOME-0267673 25046:33765(-)
CDS_0054 CDS_0053 tRNA splicing ligase RtcB (CDS_0048)
MGV-GENOME-0322915 32583:41699(-)
CDS_0052 CDS_0051 CDS_0050 tRNA splicing ligase (CDS_0045)
MGV-GENOME-0277588 31139:39171(-)
tRNA splicing ligase (CDS_0041)
MGV-GENOME-0242617 25802:33346(-)
tRNA splicing ligase (CDS_0055) Mom-like DNA modification protein (CDS_0050)
MGV-GENOME-0302551 36455:45303(-)
tRNA splicing ligase (CDS_0052)
IMGVR_UViG_3300045988_038387|3300045988|Ga0495776_187922 34134:42572(-)
tRNA splicing ligase (CDS_0054)
uvig_536008 35344:44031(-)
tRNA splicing ligase (CDS_0062)
uvig_580288 43966:53241(-)
CDS_0055 CDS_0054
IMGVR_UViG_3300045988_010817|3300045988|Ga0495776_117364 35357:44126(-)
CDS_0054 CDS_0053
uvig_267581 34457:42775(-)
CDS_0054 CDS_0053
MGV-GENOME-0293772 34559:42822(-)
tRNA splicing ligase (CDS_0045)
MGV-GENOME-0271772 29890:38311(-)
CDS_0032 CDS_0031
MGV-GENOME-0213560 20363:28080(-)
CDS_0046
uvig_456985 29512:36368(-)
CDS_0059 CDS_0057
IMGVR_UViG_3300045988_115504|3300045988|Ga0495776_078177 41288:46472(-)
CDS_0056 CDS_0054
IMGVR_UViG_3300045988_023238|3300045988|Ga0495776_168962 36303:41486(-)
CDS_0011
uvig_391702 3493:8273(+)
CDS_0040
MGV-GENOME-0224810 22333:27110(-)
CDS_0038 CDS_0036
MGV-GENOME-0240072 24793:29978(-)
CDS_0061
MGV-GENOME-0317527 42809:47763(-)
CDS_0059
uvig_170383 39367:44727(-)
CDS_0008
MGV-GENOME-0170441 1762:6939(+)
CDS_0038
MGV-GENOME-0281317 25591:30855(-)
CDS_0055 CDS_0054
IMGVR_UViG_3300045988_007465|3300045988|Ga0495776_187108 36709:42098(-)
CDS_0057 CDS_0054
MGV-GENOME-0306111 37397:42764(-)
CDS_0057 CDS_0054
uvig_157940 36625:41992(-)
SspBCDE__SspD (CDS_0031)
uvig_73384 18315:23208(-)
SspBCDE__SspD (CDS_0054)
IMGVR_UViG_3300045988_012148|3300045988|Ga0495776_117480 35950:41261(-)
SspBCDE__SspD (CDS_0052)
MGV-GENOME-0298386 35157:40853(-)
CDS_0054
IMGVR_UViG_3300045988_019598|3300045988|Ga0495776_097903 36106:40650(-)
CDS_0041
uvig_339003 26706:31656(-)
CDS_0039
MGV-GENOME-0288090 25350:30063(-)
CDS_0037
uvig_529363 20390:24733(-)
CDS_0058
uvig_338534 38640:44072(-)
CDS_0053 CDS_0052
uvig_74992 34267:39895(-)
DNA methyltransferase (CDS_0057) CDS_0056
uvig_195109 38917:45476(-)
CDS_0053
IMGVR_UViG_3300045988_185738|3300045988|Ga0495776_170618|4952-50727 35141:40796(-)
CDS_0039
MGV-GENOME-0298686 23823:29777(-)
CDS_0056
MGV-GENOME-0309034 38478:44306(-)
CDS_0044
IMGVR_UViG_3300045988_002681|3300045988|Ga0495776_027903 30581:36736(-)
CDS_0038
MGV-GENOME-0262332 22818:28802(-)
CDS_0060 CDS_0061 CDS_0059
uvig_281590 42059:46864(-)
CDS_0031 CDS_0030
uvig_64863 14263:19477(-)
CDS_0046 CDS_0045
MGV-GENOME-0364256 30079:35261(-)
CDS_0053
IMGVR_UViG_3300045988_008932|3300045988|Ga0495776_106132 35077:40633(-)
CDS_0051
MGV-GENOME-0350398 32784:38786(-)
CDS_0047
MGV-GENOME-0271705 29413:35362(-)
CDS_0056
MGV-GENOME-0333165 39147:44856(-)
tRNA splicing ligase (CDS_0054)
MGV-GENOME-0299994 36087:41206(-)
CDS_0055 CDS_0054
IMGVR_UViG_3300045988_006753|3300045988|Ga0495776_098492 36302:40876(-)
CDS_0059 CDS_0053
MGV-GENOME-0322618 38834:44807(-)
CDS_0053 CDS_0052
MGV-GENOME-0323991 34634:40328(-)
CDS_0053 CDS_0050
MGV-GENOME-0297350 34004:39572(-)
CDS_0046 DNA primase (CDS_0045) CDS_0044
IMGVR_UViG_3300045988_012193|3300045988|Ga0495776_110011 30020:36222(-)
CDS_0055
MGV-GENOME-0311811 35799:41077(-)
CDS_0050 CDS_0049
MGV-GENOME-0301565 32788:38774(-)
CDS_0046
MGV-GENOME-0254237 27266:34884(-)
tRNA splicing ligase (CDS_0031)
uvig_235962 15020:22938(-)
CDS_0056 CDS_0053
IMGVR_UViG_3300045988_006504|3300045988|Ga0495776_097486 36126:43080(-)
tRNA splicing ligase (CDS_0061)
uvig_196826 42725:51932(-)
tRNA splicing ligase (CDS_0057)
IMGVR_UViG_3300029728_000218|3300029728|Ga0245197_100024|129736-181514 40170:49377(-)
CDS_0041 CDS_0042 CDS_0045
IMGVR_UViG_3300045988_026576|3300045988|Ga0495776_171371 27561:36673(+)
CDS_0041 CDS_0042
MGV-GENOME-0315473 27561:36390(+)
3000 nt
DNA, RNA and nucleotide metabolism
moron, auxiliary metabolic gene and host takeover
other
unknown function
Defence