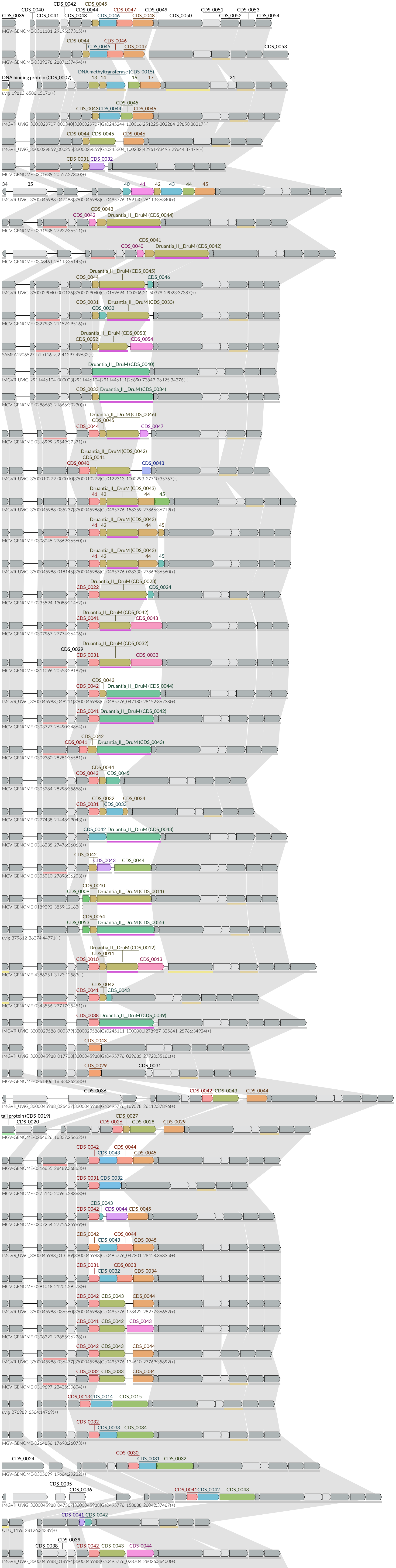
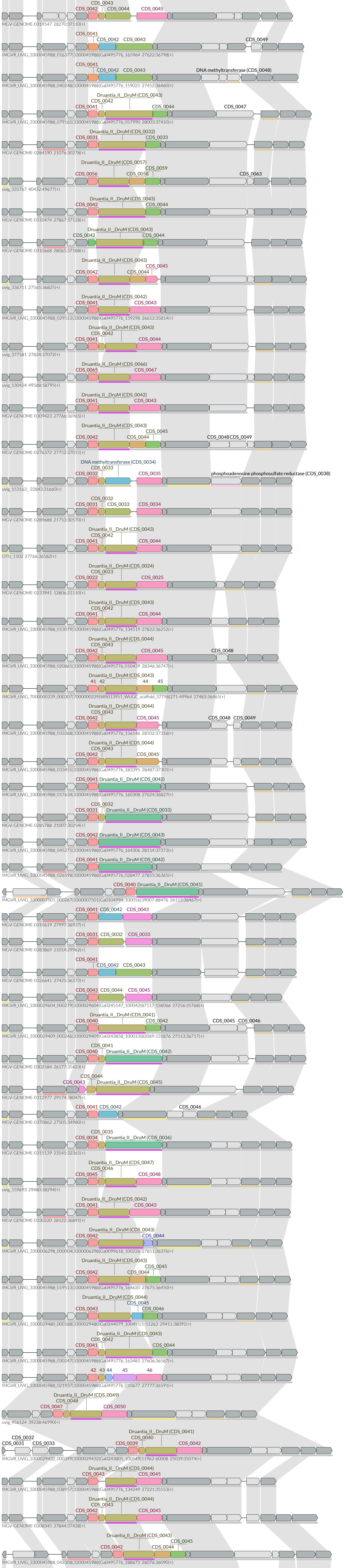
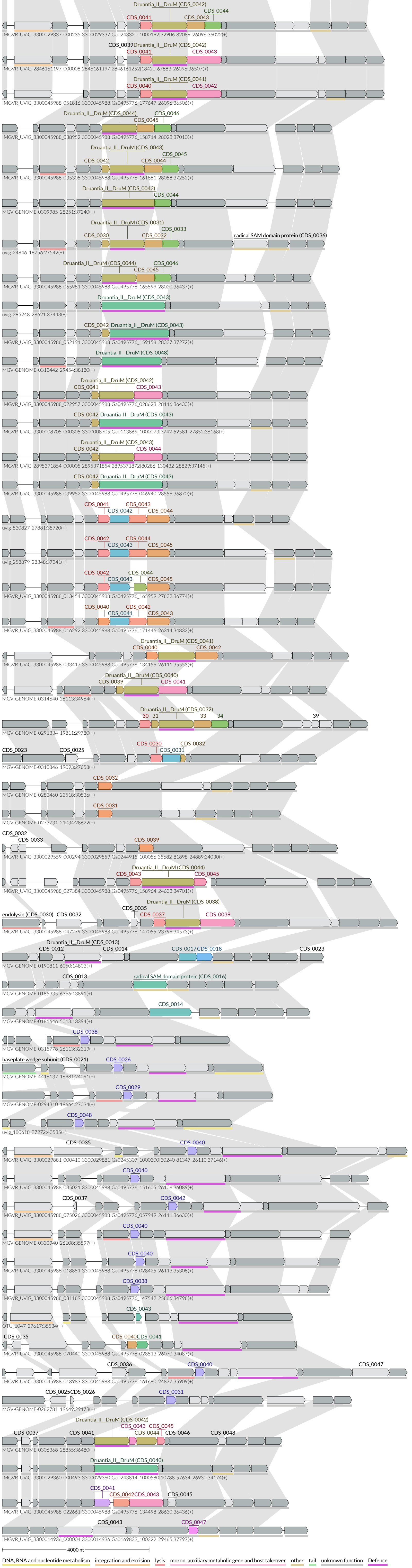

CDS_0042
CDS_0045
CDS_0040
CDS_0044
CDS_0047
CDS_0049
CDS_0051
CDS_0053
CDS_0039
CDS_0041
CDS_0043
CDS_0046
CDS_0048
CDS_0050
CDS_0052
CDS_0054
MGV-GENOME-0311181 29195:37315(+)
CDS_0044
CDS_0046
CDS_0045
CDS_0047
CDS_0053
MGV-GENOME-0339278 28871:37494(+)
DNA methyltransferase (CDS_0015)
DNA binding protein (CDS_0007)
13
14
16
17
21
uvig_19813 6586:15171(+)
CDS_0045
CDS_0043
CDS_0044
CDS_0046
IMGVR_UViG_3300029707_000340|3300029707|Ga0245244_100016|251225-302284 29850:38217(+)
CDS_0044
CDS_0045
CDS_0046
IMGVR_UViG_3300029859_000255|3300029859|Ga0245304_100232|42961-93495 29644:37479(+)
CDS_0031
CDS_0032
MGV-GENOME-0301639 20557:27300(+)
34
35
40
41
42
43
44
45
IMGVR_UViG_3300045988_047488|3300045988|Ga0495776_159140 26113:36340(+)
CDS_0043
CDS_0042
Druantia_II__DruM (CDS_0044)
MGV-GENOME-0331938 27922:36511(+)
CDS_0041
CDS_0040
Druantia_II__DruM (CDS_0042)
MGV-GENOME-0308461 26113:36145(+)
Druantia_II__DruM (CDS_0045)
CDS_0044
CDS_0046
IMGVR_UViG_3300029040_000126|3300029040|Ga0169694_100206|21-50379 29023:37387(+)
CDS_0031
Druantia_II__DruM (CDS_0033)
CDS_0032
MGV-GENOME-0327933 21152:29516(+)
Druantia_II__DruM (CDS_0053)
CDS_0052
CDS_0054
SAMEA1906527_b1_ct16_vs2 41297:49632(+)
Druantia_II__DruM (CDS_0040)
IMGVR_UViG_2911446104_000003|2911446104|2911446111|26890-73849 26125:34376(+)
CDS_0033
Druantia_II__DruM (CDS_0034)
MGV-GENOME-0288683 21866:30230(+)
Druantia_II__DruM (CDS_0046)
CDS_0045
CDS_0044
CDS_0047
MGV-GENOME-0316999 29549:37371(+)
Druantia_II__DruM (CDS_0042)
CDS_0041
CDS_0040
CDS_0043
IMGVR_UViG_3300010279_000010|3300010279|Ga0129313_1000293 27710:35767(+)
Druantia_II__DruM (CDS_0043)
41
42
44
45
IMGVR_UViG_3300045988_035237|3300045988|Ga0495776_158359 27866:36719(+)
Druantia_II__DruM (CDS_0043)
41
42
44
45
MGV-GENOME-0308045 27869:36560(+)
Druantia_II__DruM (CDS_0043)
41
42
44
45
IMGVR_UViG_3300045988_018145|3300045988|Ga0495776_028330 27869:36560(+)
Druantia_II__DruM (CDS_0023)
CDS_0022
CDS_0024
MGV-GENOME-0235594 13088:21462(+)
Druantia_II__DruM (CDS_0042)
CDS_0041
CDS_0043
MGV-GENOME-0307967 27774:36406(+)
Druantia_II__DruM (CDS_0032)
CDS_0029
CDS_0031
CDS_0033
MGV-GENOME-0311096 20553:29187(+)
CDS_0043
CDS_0042
Druantia_II__DruM (CDS_0044)
IMGVR_UViG_3300045988_049211|3300045988|Ga0495776_047180 28152:36738(+)
CDS_0041
Druantia_II__DruM (CDS_0042)
MGV-GENOME-0303727 26490:34864(+)
CDS_0042
CDS_0041
Druantia_II__DruM (CDS_0043)
MGV-GENOME-0309380 28281:36581(+)
CDS_0044
CDS_0043
CDS_0045
MGV-GENOME-0305284 28298:35658(+)
CDS_0032
CDS_0034
CDS_0031
CDS_0033
MGV-GENOME-0277438 21448:29043(+)
CDS_0042
Druantia_II__DruM (CDS_0043)
MGV-GENOME-0316235 27476:36063(+)
CDS_0042
CDS_0043
CDS_0044
MGV-GENOME-0305010 27898:36203(+)
CDS_0010
CDS_0009
Druantia_II__DruM (CDS_0011)
MGV-GENOME-0189392 3859:12163(+)
CDS_0054
CDS_0053
Druantia_II__DruM (CDS_0055)
uvig_379612 36374:44771(+)
Druantia_II__DruM (CDS_0012)
CDS_0011
CDS_0010
CDS_0013
MGV-GENOME-4386251 3123:12583(+)
CDS_0042
CDS_0041
CDS_0043
MGV-GENOME-0343556 27717:35451(+)
CDS_0038
Druantia_II__DruM (CDS_0039)
IMGVR_UViG_3300029588_000379|3300029588|Ga0245111_1000001|278987-325641 25766:34924(+)
CDS_0043
IMGVR_UViG_3300045988_017708|3300045988|Ga0495776_029685 27720:35161(+)
CDS_0029
CDS_0031
MGV-GENOME-0261406 18588:26238(+)
CDS_0036
CDS_0042
CDS_0043
CDS_0044
IMGVR_UViG_3300045988_026437|3300045988|Ga0495776_169078 26112:37896(+)
tail protein (CDS_0019)
CDS_0020
CDS_0027
CDS_0026
CDS_0028
CDS_0029
MGV-GENOME-0264626 16337:25632(+)
CDS_0042
CDS_0044
CDS_0043
CDS_0045
MGV-GENOME-0316655 28489:36863(+)
CDS_0031
CDS_0032
MGV-GENOME-0275140 20965:28368(+)
CDS_0043
CDS_0042
CDS_0044
CDS_0045
MGV-GENOME-0307254 27756:35969(+)
CDS_0042
CDS_0044
CDS_0043
CDS_0045
IMGVR_UViG_3300045988_013589|3300045988|Ga0495776_047301 28458:36835(+)
CDS_0031
CDS_0033
CDS_0032
CDS_0034
MGV-GENOME-0291018 21201:29578(+)
CDS_0042
CDS_0043
CDS_0044
IMGVR_UViG_3300045988_036560|3300045988|Ga0495776_178422 28277:36652(+)
CDS_0041
CDS_0042
CDS_0043
MGV-GENOME-0308322 27855:36228(+)
CDS_0042
CDS_0043
CDS_0044
IMGVR_UViG_3300045988_036477|3300045988|Ga0495776_134610 27769:35892(+)
CDS_0032
CDS_0033
CDS_0034
MGV-GENOME-0319697 22435:30804(+)
CDS_0013
CDS_0014
CDS_0015
uvig_276989 6564:14769(+)
CDS_0032
CDS_0033
CDS_0034
MGV-GENOME-0264856 17698:26073(+)
CDS_0030
CDS_0024
CDS_0031
CDS_0032
MGV-GENOME-0305699 19664:29232(+)
CDS_0035
CDS_0036
CDS_0041
CDS_0042
CDS_0043
IMGVR_UViG_3300045988_047567|3300045988|Ga0495776_158888 26042:37467(+)
CDS_0041
CDS_0042
OTU_1196 28126:34389(+)
CDS_0039
CDS_0038
CDS_0042
CDS_0043
CDS_0044
IMGVR_UViG_3300045988_018994|3300045988|Ga0495776_028704 28026:36400(+)


CDS_0043
CDS_0042
CDS_0044
CDS_0045
MGV-GENOME-0319547 28270:37110(+)
CDS_0041
CDS_0042
CDS_0043
CDS_0049
IMGVR_UViG_3300045988_016377|3300045988|Ga0495776_165964 27622:36798(+)
CDS_0041
CDS_0042
CDS_0043
DNA methyltransferase (CDS_0048)
IMGVR_UViG_3300045988_040248|3300045988|Ga0495776_159021 27452:36460(+)
Druantia_II_DruM (CDS_0043)
CDS_0042
CDS_0041
CDS_0044
CDS_0047
IMGVR_UViG_3300045988_079165|3300045988|Ga0495776_057990 28003:37410(+)
Druantia_II_DruM (CDS_0032)
CDS_0031
CDS_0033
MGV-GENOME-0284190 21076:30278(+)
Druantia_II_DruM (CDS_0057)
CDS_0059
CDS_0056
CDS_0058
CDS_0063
uvig_335767 40432:49677(+)
Druantia_II_DruM (CDS_0043)
CDS_0042
CDS_0044
MGV-GENOME-0310474 27867:37128(+)
Druantia_II_DruM (CDS_0043)
CDS_0042
CDS_0044
MGV-GENOME-0310668 28065:37188(+)
Druantia_II_DruM (CDS_0043)
CDS_0045
CDS_0042
CDS_0044
uvig_336711 27565:36825(+)
Druantia_II_DruM (CDS_0042)
CDS_0041
CDS_0043
IMGVR_UViG_3300045988_029513|3300045988|Ga0495776_159298 26612:35814(+)
Druantia_II_DruM (CDS_0043)
CDS_0042
CDS_0041
CDS_0044
uvig_377581 27824:37072(+)
Druantia_II_DruM (CDS_0066)
CDS_0065
CDS_0067
uvig_130424 49588:58795(+)
Druantia_II_DruM (CDS_0042)
CDS_0041
CDS_0043
MGV-GENOME-0309423 27766:36965(+)
Druantia_II_DruM (CDS_0043)
CDS_0045
CDS_0042
CDS_0044
CDS_0048
CDS_0049
MGV-GENOME-0276372 27752:37011(+)
DNA methyltransferase (CDS_0034)
CDS_0033
CDS_0032
CDS_0035
phosphoadenosine phosphosulfate reductase (CDS_0038)
uvig_153163_ 22843:31660(+)
CDS_0032
CDS_0031
CDS_0033
CDS_0034
MGV-GENOME-0289688 21753:30570(+)
Druantia_II_DruM (CDS_0043)
CDS_0042
CDS_0041
CDS_0044
OTU_1102 27766:36582(+)
Druantia_II_DruM (CDS_0024)
CDS_0023
CDS_0022
CDS_0025
MGV-GENOME-0233941 12806:21110(+)
Druantia_II_DruM (CDS_0043)
CDS_0042
CDS_0041
CDS_0044
IMGVR_UViG_3300045988_013079|3300045988|Ga0495776_134519 27822:36252(+)
Druantia_II_DruM (CDS_0044)
CDS_0043
CDS_0042
CDS_0045
CDS_0048
IMGVR_UViG_3300045988_020865|3300045988|Ga0495776_010439 28346:36747(+)
Druantia_II_DruM (CDS_0043)
41
42
44
45
IMGVR_UViG_7000000239_000307|7000000239|SRS013951_WUGC_scaffold_37798|271-49964 27483:36465(+)
Druantia_II_DruM (CDS_0044)
CDS_0043
CDS_0042
CDS_0045
CDS_0048
CDS_0049
IMGVR_UViG_3300045988_033368|3300045988|Ga0495776_156146 28502:37316(+)
Druantia_II_DruM (CDS_0044)
CDS_0043
CDS_0042
CDS_0045
IMGVR_UViG_3300045988_033455|3300045988|Ga0495776_183395 28487:37301(+)
CDS_0041
Druantia_II_DruM (CDS_0042)
IMGVR_UViG_3300045988_017634|3300045988|Ga0495776_160308 27624:36827(+)
CDS_0032
CDS_0031
Druantia_II_DruM (CDS_0033)
MGV-GENOME-0285788 21007:30254(+)
CDS_0042
Druantia_II_DruM (CDS_0043)
IMGVR_UViG_3300045988_045275|3300045988|Ga0495776_164306 28114:37373(+)
CDS_0041
Druantia_II_DruM (CDS_0042)
IMGVR_UViG_3300045988_026598|3300045988|Ga0495776_028477 27855:36365(+)
CDS_0040
Druantia_II_DruM (CDS_0041)
IMGVR_UViG_3300007501_000267|3300007501|Ga0104994_100056|39007-88476 26113:36467(+)
CDS_0041
CDS_0042
CDS_0043
MGV-GENOME-0310619 27997:36937(+)
CDS_0031
CDS_0032
CDS_0033
MGV-GENOME-0283869 21014:29962(+)
CDS_0041
CDS_0042
CDS_0043
MGV-GENOME-0326641 27425:36372(+)
CDS_0043
CDS_0044
CDS_0045
IMGVR_UViG_3300029604_000279|3300029604|Ga0245147_100042|87117-136066 27256:35768(+)
Druantia_II_DruM (CDS_0041)
CDS_0040
CDS_0042
CDS_0045
CDS_0046
IMGVR_UViG_3300029409_000246|3300029409|Ga0243858_100013|82069-131876 27513:36717(+)
CDS_0041
CDS_0040
Druantia_II_DruM (CDS_0042)
MGV-GENOME-0302584 26177:35423(+)
CDS_0044
CDS_0043
Druantia_II_DruM (CDS_0045)
MGV-GENOME-0312977 29174:38047(+)
CDS_0041
CDS_0042
CDS_0046
MGV-GENOME-0370862 27505:34980(+)
CDS_0035
CDS_0034
Druantia_II_DruM (CDS_0036)
MGV-GENOME-0315139 23545:32361(+)
Druantia_II_DruM (CDS_0047)
CDS_0046
CDS_0045
CDS_0048
uvig_159693 29480:38294(+)
Druantia_II_DruM (CDS_0042)
CDS_0041
CDS_0043
MGV-GENOME-0330220 28122:36891(+)
Druantia_II_DruM (CDS_0043)
CDS_0042
CDS_0044
IMGVR_UViG_3300006298_000004|3300006298|Ga0099618_100226 27851:36376(+)
Druantia_II_DruM (CDS_0043)
CDS_0045
CDS_0042
CDS_0044
IMGVR_UViG_3300045988_019513|3300045988|Ga0495776_164620 27675:36450(+)
Druantia_II_DruM (CDS_0044)
CDS_0045
CDS_0043
CDS_0046
IMGVR_UViG_3300029480_000188|3300029480|Ga0244079_100491|1-51263 29411:38091(+)
Druantia_II_DruM (CDS_0043)
CDS_0042
CDS_0041
CDS_0044
IMGVR_UViG_3300045988_030247|3300045988|Ga0495776_163481 27606:36587(+)
42
43
44
45
46
IMGVR_UViG_3300045988_021937|3300045988|Ga0495776_010677 27777:36591(+)
Druantia_II_DruM (CDS_0049)
CDS_0048
CDS_0047
CDS_0050
uvig_456124 39238:46990(+)
Druantia_II_DruM (CDS_0041)
CDS_0032
CDS_0040
CDS_0031
CDS_0033
CDS_0039
CDS_0042
IMGVR_UViG_3300029432_000399|3300029432|Ga0243805_100549|11962-60008 25039:35074(+)
Druantia_II_DruM (CDS_0044)
CDS_0043
CDS_0042
CDS_0045
IMGVR_UViG_3300045988_038957|3300045988|Ga0495776_134249 27221:35553(+)
Druantia_II_DruM (CDS_0044)
CDS_0043
CDS_0042
CDS_0045
MGV-GENOME-0308345 27844:37438(+)
Druantia_II_DruM (CDS_0043)
CDS_0045
CDS_0042
CDS_0044
IMGVR_UViG_3300045988_042308|3300045988|Ga0495776_188673 26076:36090(+)


Druantia_II__DruM (CDS_0042)
CDS_0044
CDS_0041
CDS_0043
IMGVR_UViG_3300029337_000235|3300029337|Ga0243320_1000192|32906-82089 26096:36022(+)
CDS_0039
Druantia_II__DruM (CDS_0042)
CDS_0041
CDS_0043
IMGVR_UViG_2846161197_000008|2846161197|2846161252|18420-67883 26096:36507(+)
Druantia_II__DruM (CDS_0041)
CDS_0040
CDS_0042
IMGVR_UViG_3300045988_051816|3300045988|Ga0495776_177647 26096:36506(+)
Druantia_II__DruM (CDS_0044)
CDS_0046
CDS_0045
IMGVR_UViG_3300045988_038952|3300045988|Ga0495776_158714 28023:37010(+)
Druantia_II__DruM (CDS_0043)
CDS_0045
CDS_0042
CDS_0044
IMGVR_UViG_3300045988_035305|3300045988|Ga0495776_161881 28058:37252(+)
Druantia_II__DruM (CDS_0043)
CDS_0044
MGV-GENOME-0309985 28251:37240(+)
Druantia_II__DruM (CDS_0031)
CDS_0033
CDS_0030
CDS_0032
radical SAM domain protein (CDS_0036)
uvig_24846 18756:27542(+)
Druantia_II__DruM (CDS_0044)
CDS_0046
CDS_0045
IMGVR_UViG_3300045988_065981|3300045988|Ga0495776_165599 28020:36437(+)
Druantia_II__DruM (CDS_0043)
uvig_295248 28621:37443(+)
CDS_0042
Druantia_II__DruM (CDS_0043)
IMGVR_UViG_3300045988_052191|3300045988|Ga0495776_159158 28337:37272(+)
Druantia_II__DruM (CDS_0048)
MGV-GENOME-0313442 29454:38180(+)
Druantia_II__DruM (CDS_0042)
CDS_0041
CDS_0043
IMGVR_UViG_3300045988_022957|3300045988|Ga0495776_028623 28116:36433(+)
CDS_0042
Druantia_II__DruM (CDS_0043)
IMGVR_UViG_3300008705_000305|3300008705|Ga0113869_1000073|3742-52581 27852:36168(+)
Druantia_II__DruM (CDS_0043)
CDS_0042
CDS_0044
IMGVR_UViG_2895371854_000005|2895371854|2895371872|80286-130432 28829:37145(+)
CDS_0042
Druantia_II__DruM (CDS_0043)
IMGVR_UViG_3300045988_039952|3300045988|Ga0495776_046940 28556:36870(+)
CDS_0041
CDS_0043
CDS_0042
CDS_0044
uvig_530827 27881:35720(+)
CDS_0042
CDS_0044
CDS_0043
CDS_0045
uvig_258879 28348:37341(+)
CDS_0042
CDS_0044
CDS_0043
CDS_0045
IMGVR_UViG_3300045988_013454|3300045988|Ga0495776_165959 27832:36774(+)
CDS_0040
CDS_0042
CDS_0041
CDS_0043
IMGVR_UViG_3300045988_016292|3300045988|Ga0495776_171446 26314:34832(+)
Druantia_II__DruM (CDS_0041)
CDS_0040
CDS_0042
IMGVR_UViG_3300045988_033417|3300045988|Ga0495776_134156 26111:35553(+)
Druantia_II__DruM (CDS_0040)
CDS_0039
CDS_0041
MGV-GENOME-0314640 26113:34964(+)
Druantia_II__DruM (CDS_0032)
30
31
33
34
39
MGV-GENOME-0291334 19811:29780(+)
CDS_0023
CDS_0025
CDS_0030
CDS_0032
CDS_0031
MGV-GENOME-0310846 19093:27658(+)
CDS_0032
MGV-GENOME-0282460 22518:30536(+)
CDS_0031
MGV-GENOME-0273731 21034:28622(+)
CDS_0032
CDS_0033
CDS_0039
IMGVR_UViG_3300029559_000294|3300029559|Ga0244915_100056|35682-81898 24889:34030(+)
Druantia_II__DruM (CDS_0044)
CDS_0043
CDS_0045
IMGVR_UViG_3300045988_027384|3300045988|Ga0495776_158964 24633:34701(+)
Druantia_II__DruM (CDS_0038)
CDS_0035
endolysin (CDS_0030)
CDS_0032
CDS_0037
CDS_0039
IMGVR_UViG_3300045988_047279|3300045988|Ga0495776_147055 23796:34573(+)
Druantia_II__DruM (CDS_0013)
CDS_0012
CDS_0014
CDS_0017
CDS_0018
CDS_0023
MGV-GENOME-0190811 6050:14803(+)
CDS_0013
radical SAM domain protein (CDS_0016)
MGV-GENOME-0185335 6366:13891(+)
CDS_0014
MGV-GENOME-0181646 5013:13394(+)
CDS_0038
MGV-GENOME-0315778 26113:32319(+)
baseplate wedge subunit (CDS_0021)
CDS_0026
MGV-GENOME-4416137 16981:24091(+)
CDS_0029
MGV-GENOME-0294310 19664:27034(+)
CDS_0048
uvig_180618 37272:43535(+)
CDS_0035
CDS_0040
IMGVR_UViG_3300029881_000410|3300029881|Ga0243307_1000300|30240-81347 26110:37146(+)
CDS_0040
IMGVR_UViG_3300045988_035021|3300045988|Ga0495776_151605 26108:36089(+)
CDS_0037
CDS_0042
IMGVR_UViG_3300045988_075026|3300045988|Ga0495776_057949 26111:36630(+)
CDS_0040
MGV-GENOME-0330940 26108:35597(+)
CDS_0040
IMGVR_UViG_3300045988_018851|3300045988|Ga0495776_028425 26113:35308(+)
CDS_0038
IMGVR_UViG_3300045988_031189|3300045988|Ga0495776_147542 25886:34798(+)
CDS_0043
OTU_1047 27617:35534(+)
CDS_0035
CDS_0040
CDS_0041
IMGVR_UViG_3300045988_070440|3300045988|Ga0495776_028513 26070:34087(+)
CDS_0036
CDS_0040
CDS_0047
IMGVR_UViG_3300045988_018983|3300045988|Ga0495776_161680 24877:35909(+)
CDS_0025
CDS_0026
CDS_0031
MGV-GENOME-0282781 19649:29173(+)
Druantia_II__DruM (CDS_0042)
CDS_0043
CDS_0045
CDS_0037
CDS_0041
CDS_0044
CDS_0046
CDS_0048
MGV-GENOME-0306368 28855:38480(+)
Druantia_II__DruM (CDS_0040)
IMGVR_UViG_3300029360_000493|3300029360|Ga0243814_1000580|10788-57634 26930:34174(+)
CDS_0041
CDS_0042
CDS_0043
CDS_0045
IMGVR_UViG_3300045988_022661|3300045988|Ga0495776_134498 28630:36436(+)
CDS_0043
CDS_0047
IMGVR_UViG_3300014936_000004|3300014936|Ga0169833_100322 29465:37797(+)
4000 nt
DNA, RNA and nucleotide metabolism
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
tail
unknown function
Defence