

SbcD-like subunit of palindrome specific endonuclease (CDS_0115)

Lamassu-Fam_LmuB_SMC_Hydrolase_protease (CDS_0116)

CDS_0118 CDS_0120

CDS_0117 CDS_0119

SRS050520_a1_ct1148_vs01 94897:101930(+)

MGV-GENOME-0366880 317:6879(-)

MGV-GENOME-0368367 178:8428(-)

RuvC-like Holliday junction resolvase (CDS_0054)

CDS_0059

CDS_0058 CDS_0060

MGV-GENOME-0334238 52953:61352(+)

MGV-GENOME-0332172 2:6751(-)

CDS_0058 CDS_0059

MGV-GENOME-0333924 56303:61235(+)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0008)

HNH endonuclease (CDS_0010)

16 15 14 13 12 11 9 7 6 5 4 3 2 1

MGV-GENOME-0353373 2:18260(-)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0008)

13 12 11 10 9 7 6 5 4 3 2 1

MGV-GENOME-0341039 267:14568(-)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0061)

55 56 57 58 59 60 62 63 64 65 66 67 68 69 70 71 72 73 74

MGV-GENOME-0348368 56093:74686(+)

MGV-GENOME-0342559 47862:58670(+)

HNH endonuclease (CDS_0050)

DNA polymerase (CDS_0048)

DNA polymerase (CDS_0051)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0052)

46 47 49

MGV-GENOME-4432852 46420:57990(+)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0111)

105 106 107 108 109 110 112 114 113

MGV-GENOME-0373153 76449:92338(+)

transposase (CDS_0008)

7 6 5 4 3

guanylate kinase (CDS_0002)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0001)

MGV-GENOME-0360797 1:15894(-)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0113)

guanylate kinase (CDS_0112)

DNA polymerase (CDS_0110)

107 108 109 111 114 116 118 115 117 119 120 121 123 124

CAI-1 (VF0405) (CDS_0122)

IMGVR_UVIG_3300014789_0000003|3300014789|Ga0134406_1000097 82532:105637(+)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0012)

guanylate kinase (CDS_0013)

CAI-1 (VF0405) (CDS_0003)

18 17 16 15 14 11 10 9 8 7 6 5 4 2 1

MGV-GENOME-0367998 26:22360(-)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0104)

guanylate kinase (CDS_0103)

transposase (CDS_0097)

98 99 100 101 102 105 107 106 108 109 110 111 112

MGV-GENOME-0367899 77194:97191(+)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0111)

105 106 107 108 109 110 112 114 116 113 115 117 118 119 121 122 123 124 125 126

CAI-1 (VF0405) (CDS_0120)

MGV-GENOME-0372639 76639:103384(+)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0016)

CAI-1 (VF0405) (CDS_0007)

22 21 20 19 18 17 15 14 13 12 11 10 9 8 6 5 4 3 2 1

MGV-GENOME-0372329 230:26975(-)

DEDDh_I_II_III_IV_V_VI_1 (CDS_0098)

guanylate kinase (CDS_0097)

CAI-1 (VF0405) (CDS_0107)

92 93 94 95 96 99 101 103 100 102 104 105 106 108 109 110 111 112

MGV-GENOME-0369886 70103:95048(+)

10000 nt

DNA, RNA and nucleotide metabolism

integration and excision

other

unknown function

Defence

Virulence