nicotinamide phosphoribosyl transferase (CDS_0136)
NAD synthetase (CDS_0133)
ribose-phosphate pyrophosphokinase (CDS_0139)
CDS_0130 CDS_0132
phosphatase (CDS_0134)
CDS_0137
CDS_0141 CDS_0143
CDS_0131
CDS_0135
CDS_0138
ATPase (CDS_0140)
CDS_0142
CDS_0144
IMGVR_UViG_3300029129_000147|3300029129|Ga0168797_100040|6407-156905 98681:108205(+)
CDS_0129 CDS_0130
IMGVR_UViG_3300045988_136229|3300045988|Ga0495776_186984 94052:103145(+)
CDS_0137
CDS_0136
MGV-GENOME-0376888 100202:109533(+)
CDS_0128 CDS_0129
IMGVR_UViG_3300035655_000051|3300035655|Ga0134475_000031 98471:107143(+)
CDS_0118 CDS_0119
IMGVR_UViG_3300045988_119762|3300045988|Ga0495776_174241 92629:101682(+)
CDS_0132
CDS_0135 CDS_0137
IMGVR_UViG_3300045988_114761|3300045988|Ga0495776_174122 99094:107397(+)
CDS_0097
MGV-GENOME-0370667 58256:66811(+)
CDS_0128
CDS_0131
CDS_0136
IMGVR_UViG_3300045988_140402|3300045988|Ga0495776_101822 98523:107389(+)
CDS_0125
MGV-GENOME-0375004 86054:95698(+)
ATPase (CDS_0135)
ATPase (CDS_0134)
IMGVR_UViG_3300045988_123298|3300045988|Ga0495776_181827 98467:107863(+)
CDS_0010
CDS_0006
uvig_123859 2414:8155(-)
CDS_0108
CDS_0107
CDS_0109
IMGVR_UViG_3300045988_134136|3300045988|Ga0495776_166935 87850:95440(+)
CDS_0094
CDS_0093
CDS_0095
CDS_0099
MGV-GENOME-0371362 62679:70312(+)
119 120 121 122 123
IMGVR_UViG_3300029381_000572|3300029381|Ga0243902_1000050|6711-147424 89490:97767(+)
CDS_0103
CDS_0102
CDS_0104
IMGVR_UViG_3300045988_140283|3300045988|Ga0495776_176256 84197:91811(+)
metal-dependent phosphohydrolase (CDS_0120)
126 127 128 129 130
IMGVR_UViG_3300029570_000310|3300029570|Ga0244916_100006|9277-153990 91690:100411(+)
CDS_0123 CDS_0125
CDS_0124 CDS_0126
IMGVR_UViG_3300045988_135232|3300045988|Ga0495776_166949 94754:102582(+)
CDS_0121
IMGVR_UViG_3300045988_145254|3300045988|Ga0495776_186575 94228:101044(+)
CDS_0067
uvig_172424 49787:56382(+)
CDS_0016
uvig_540785 5588:12167(-)
HNH endonuclease (CDS_0115)
CDS_0120
CDS_0122
MGV-GENOME-0376128 94865:103574(+)
CDS_0070
uvig_298585 45532:52901(+)
CDS_0132
CDS_0131
CDS_0133
IMGVR_UViG_3300045988_134834|3300045988|Ga0495776_174175 96467:104399(+)
CDS_0124
CDS_0123
CDS_0125
IMGVR_UViG_3300029176_000050|3300029176|Ga0167503_100006|21030-165216 90992:99311(+)
CDS_0116 CDS_0118
CDS_0124
CDS_0123
CDS_0125
uvig_594512 91026:99302(+)
CDS_0071
CDS_0072
CDS_0070
CDS_0073
uvig_184747 45577:52986(+)
CDS_0128
ATPase (CDS_0134)
CDS_0123
CDS_0127
CDS_0129
CDS_0133
IMGVR_UViG_3300045988_138198|3300045988|Ga0495776_180924 91450:102305(+)
CDS_0122
CDS_0124
IMGVR_UViG_3300045988_135286|3300045988|Ga0495776_180978 93894:101238(+)
CDS_0098
CDS_0103
MGV-GENOME-0377129 86473:94495(+)
CDS_0117
CDS_0123
MGV-GENOME-0377323 93232:101870(+)
CDS_0126
IMGVR_UViG_3300045988_131524|3300045988|Ga0495776_187052 95702:104175(+)
CDS_0124
IMGVR_UViG_3300029248_000285|3300029248|Ga0168696_1000027|51458-199535 95288:103465(+)
CDS_0109
MGV-GENOME-0374454 87264:95449(+)
CDS_0119
MGV-GENOME-0376268 93728:101962(+)
CDS_0114
IMGVR_UViG_3300029432_000427|3300029432|Ga0243805_100111|8030-148226 90387:97675(+)
CDS_0093
MGV-GENOME-0373507 77740:85345(+)
CDS_0124
IMGVR_UViG_3300045988_141428|3300045988|Ga0495776_155646 97358:105112(+)
CDS_0090
MGV-GENOME-0374289 62484:69851(+)
111
110
112 113
114
IMGVR_UViG_3300029364_000216|3300029364|Ga0243886_1000038|29008-172235 90252:99077(+)
RNA ligase (CDS_0062)
uvig_468764 38016:48583(+)
CDS_0122
CDS_0127
uvig_247694 92339:100434(+)
CDS_0151
CDS_0145
CDS_0150
CDS_0152
Monaco_MBA1133_NODE_1_length_157060_cov_32.732072 104316:112520(+)
CDS_0115
CDS_0121
IMGVR_UViG_3300045988_112478|3300045988|Ga0495776_101838 94509:102065(+)
CDS_0066
uvig_580042 47257:55334(+)
CDS_0115
IMGVR_UViG_3300029430_000359|3300029430|Ga0243922_100096|14520-160922 94261:102217(+)
4000 nt
DNA, RNA and nucleotide metabolism
other
unknown function