ribose-phosphate pyrophosphokinase (CDS_0145)
polynucleotide kinase (CDS_0138)
nicotinamide phosphoribosyl transferase (CDS_0147)
tail fiber protein (CDS_0140)
CDS_0142
CDS_0144
phosphatase (CDS_0149)
ATPase (CDS_0139)
CDS_0141
CDS_0143
CDS_0146
CDS_0148
NAD synthetase (CDS_0150)
uvig_444553_ 113510:124408(+)
CDS_0137
CDS_0138
IMGVR_UViG_3300029338_000001|3300029338|Ga0243718_1000045 121357:132255(-)
CDS_0132
CDS_0130
IMGVR_UViG_3300045988_145360|3300045988|Ga0495776_119879 115601:126562(-)
transposase (CDS_0077)
CDS_0076
CDS_0074
CDS_0071
OTU_28 49992:62748(-)
CDS_0004
uvig_155945 156129:8458(+)
CDS_0024
CDS_0022
RNA 2'-phosphotransferase (CDS_0019)
IMGVR_UViG_3300007353_000001|3300007353|Ga0104758_100070 9424:20820(-)
CDS_0112
MGV-GENOME-0377201 63195:74591(+)
CDS_0062
CDS_0063
CDS_0060
IMGVR_UViG_3300029017_000103|3300029017|Ga0169582_100020|17409-168512 37412:48944(-)
CDS_0137
CDS_0136
uvig_120367 104304:115836(+)
CDS_0092
MGV-GENOME-0377060 47794:58779(+)
CDS_0054
CDS_0055
CDS_0053
CDS_0052
uvig_70025 32322:44708(-)
head maturation protease (CDS_0065)
MGV-GENOME-0367077 39571:50261(-)
nicotinamide phosphoribosyl transferase (CDS_0083)
CDS_0087
CDS_0084
CDS_0079
IMGVR_UViG_3300045988_137987|3300045988|Ga0495776_001806 65409:76921(-)
CDS_0059
CDS_0060
MGV-GENOME-0377145 37601:49179(-)
CDS_0029
CDS_0032
CDS_0030
CDS_0028
MGV-GENOME-0375873 16495:28151(-)
CDS_0004
CDS_0196
CDS_0003
CDS_0005
MGV-GENOME-0376902 156471:8860(+)
2-aminooxy adenylosuccinate synthetase (CDS_0129)
CDS_0131
CDS_0130
CDS_0128
MGV-GENOME-0377279 112523:125959(-)
CDS_0109
CDS_0105
CDS_0104
2-aminooxy adenylosuccinate synthetase (CDS_0103)
MGV-GENOME-0374351 92603:106398(-)
2-aminooxy adenylosuccinate synthetase (CDS_0065)
CDS_0067
CDS_0066
CDS_0064
MGV-GENOME-0360814 37736:51703(-)
2-aminooxy adenylosuccinate synthetase (CDS_0089)
CDS_0087
CDS_0088
CDS_0090
uvig_79386 40342:54309(+)
2-aminooxy adenylosuccinate synthetase (CDS_0190)
CDS_0188
CDS_0189
CDS_0191
MGV-GENOME-0377120 143273:157058(+)
2-aminooxy adenylosuccinate synthetase (CDS_0080)
CDS_0084
CDS_0078
CDS_0079
CDS_0081
CDS_0083
CDS_0085
IMGVR_UViG_3300006525_000004|3300006525|Ga0101027_100034 38785:50760(+)
CDS_0067
CDS_0068
CDS_0066
MGV-GENOME-0374684 42683:54658(-)
ribose-phosphate pyrophosphokinase (CDS_0007)
2-aminooxy adenylosuccinate synthetase (CDS_0006)
2 3 4 5 8
uvig_380772 310:11215(+)
polynucleotide kinase (CDS_0076)
CDS_0077
CDS_0084
CDS_0083
OTU_25 37088:48881(+)
CDS_0142
CDS_0139
CDS_0143
CDS_0140
CDS_0138
MGV-GENOME-0377407 122438:133745(-)
CDS_0090
CDS_0087
CDS_0089
CDS_0091
uvig_502516 41566:52485(+)
CDS_0204
CDS_0202
CDS_0001
CDS_0203
uvig_556334 1:5110(-), 155051:160907(-)
CDS_0092
CDS_0093
MGV-GENOME-0360346 45757:56085(+)
CDS_0069
CDS_0071
CDS_0070
uvig_564199 31271:42160(+)
CDS_0142
CDS_0144
CDS_0143
CDS_0145
IMGVR_UViG_3300045988_137912|3300045988|Ga0495776_174132 104130:115658(+)
ribose-phosphate pyrophosphokinase (CDS_0064)
68 67 66 65 63 62 61 60 59
uvig_205711 37143:46643(-)
60 59 58 57 56
MGV-GENOME-0373552 35675:47210(-)
ribose-phosphate pyrophosphokinase (CDS_0015)
11 12 13 14 16 17 18
uvig_313370 9699:18530(+)
CDS_0172
CDS_0174
CDS_0173
IMGVR_UViG_2806310865_000002|2806310865|2806367053|18492-183332 136674:147548(+)
114
109
110 108 107 106
uvig_299093 99322:110657(-)
114
109
110 108 107 106
IMGVR_UViG_3300045988_149381|3300045988|Ga0495776_080943 100883:112173(-)
148
147 149 150 151 152
uvig_289035 114569:125754(+)
CDS_0149
CDS_0151
CDS_0147
CDS_0150
IMGVR_UViG_3300045988_142470|3300045988|Ga0495776_180931 115704:124530(+)
CDS_0013
CDS_0015
CDS_0014
uvig_245308 9896:18852(+)
CDS_0006
CDS_0007
MGV-GENOME-0377014 159391:8985(+)
CDS_0127
CDS_0125
CDS_0126
MGV-GENOME-0377179 114851:125733(-)
CDS_0119
CDS_0121
CDS_0120
uvig_433944 84718:95590(+)
ribose-phosphate pyrophosphokinase (CDS_0066)
69 68 67 65 64 63
uvig_27582 40459:49341(-)
ribose-phosphate pyrophosphokinase (CDS_0005)
2 3 4 6 7 8
uvig_198326 309:9192(+)
CDS_0085
CDS_0084
CDS_0086
uvig_447666 38448:49092(+)
CDS_0043
CDS_0044
CDS_0042
uvig_21971 28126:39274(-)
ribose-phosphate pyrophosphokinase (CDS_0068)
71 70 69 67 66 65
uvig_110576 39733:48834(-)
CDS_0111
nicotinamide phosphoribosyl transferase (CDS_0110)
CDS_0105
IMGVR_UViG_3300045988_122498|3300045988|Ga0495776_002042 100837:111510(-)
CDS_0179
nicotinamide phosphoribosyl transferase (CDS_0180)
MGV-GENOME-0376951 140563:151225(+)
CDS_0139
nicotinamide phosphoribosyl transferase (CDS_0140)
uvig_547918 102740:113667(+)
CDS_0062
CDS_0063
nicotinamide phosphoribosyl transferase (CDS_0061)
MGV-GENOME-0359084 38082:49164(-)
CDS_0149
CDS_0148
nicotinamide phosphoribosyl transferase (CDS_0150)
MGV-GENOME-0374274 115135:126211(+)
CDS_0139
nicotinamide phosphoribosyl transferase (CDS_0140)
OTU_27 103503:114183(+)
CDS_0150
nicotinamide phosphoribosyl transferase (CDS_0152)
CDS_0149
CDS_0151
IMGVR_UViG_3300029027_000075|3300029027|Ga0169621_100021 115608:127110(+)
CDS_0053
nicotinamide phosphoribosyl transferase (CDS_0051)
CDS_0054
CDS_0052
IMGVR_UViG_3300045988_141610|3300045988|Ga0495776_081048 35237:46739(-)
CDS_0130
RNA 2'-phosphotransferase (CDS_0131)
OTU_30 90281:99855(+)
RNA 2'-phosphotransferase (CDS_0126)
CDS_0125
CDS_0127
CDS_0132
uvig_439916 83579:93527(+)
CDS_0064
nicotinamide phosphoribosyl transferase (CDS_0062)
CDS_0070
CDS_0069
CDS_0063
MGV-GENOME-0360128 39306:48742(-)
CDS_0128
IMGVR_UViG_3300029474_000002|3300029474|Ga0244136_100037 88460:100461(+)
153
144 145
149 150 151 152 154 155
MGV-GENOME-0377617 111426:124910(+)
148
144 145 146 147 149 150
MGV-GENOME-0378386 114838:125632(+)
nicotinamide phosphoribosyl transferase (CDS_0072)
nicotinamide phosphoribosyl transferase (CDS_0071)
64
68 69 70 73
uvig_552427 30673:42952(+)
CDS_0059
uvig_261418 35844:39754(-)
CDS_0082
CDS_0084
CDS_0080
CDS_0083
IMGVR_UViG_3300045988_133916|3300045988|Ga0495776_138297 37102:48049(+)
5000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
other
tail
unknown function