119
120 121 122
123
124 125
homing endonuclease (CDS_0126)
127
128
129
130
131
exonuclease (CDS_0132)
133
134
IMGVR_UViG_3300045988_166474|3300045988|Ga0495776_101974 75215:86671(+)
HNH endonuclease (CDS_0156)
160
homing endonuclease (CDS_0161)
162
163
164
IMGVR_UViG_3300045988_161465|3300045988|Ga0495776_088938 124656:137606(+)
122
123
124
homing endonuclease (CDS_0125)
126
IMGVR_UViG_3300045988_163113|3300045988|Ga0495776_110520 73933:84947(+)
transposase (CDS_0174)
178
181
182
HNH endonuclease (CDS_0183)
184
185
IMGVR_UViG_3300030365_000081|3300030365|Ga0245220_100096 138110:151083(+)
112
114
homing endonuclease (CDS_0115)
116
117
118
IMGVR_UViG_3300045988_153205|3300045988|Ga0495776_089136 70541:81827(+)
CDS_0175
CDS_0176
CDS_0177
CDS_0178
MGV-GENOME-0375199 129955:140382(+)
174
homing endonuclease (CDS_0175)
176
177
178
179
IMGVR_UViG_3300045988_160776|3300045988|Ga0495776_122649 134502:146172(+)
118
121
homing endonuclease (CDS_0122)
123
124
125
homing endonuclease (CDS_0126)
127
IMGVR_UViG_3300045988_165708|3300045988|Ga0495776_119835 78013:90530(+)
CDS_0102
CDS_0107
CDS_0109
CDS_0110
CDS_0111
CDS_0112
IMGVR_UViG_3300045988_158135|3300045988|Ga0495776_081065 71928:81452(+)
CDS_0166
CDS_0167
CDS_0168
uvig_171274 127482:137342(+)
CDS_0160
CDS_0161
CDS_0162
MGV-GENOME-0374009 124323:134126(+)
CDS_0166
CDS_0167
CDS_0168
CDS_0169
MGV-GENOME-0374813 126661:137087(+)
CDS_0163
CDS_0164
CDS_0165
CDS_0166
MGV-GENOME-0374180 120476:130821(+)
CDS_0178
MGV-GENOME-0375546 138054:147385(+)
CDS_0147
MGV-GENOME-0372827 114779:124032(+)
CDS_0113
CDS_0119
CDS_0120
uvig_584602 73556:83638(+)
HNH endonuclease (CDS_0186)
homing endonuclease (CDS_0184)
homing endonuclease (CDS_0188)
179
183
185
187
189
IMGVR_UViG_3300045988_171734|3300045988|Ga0495776_181029 134421:147546(+)
homing endonuclease (CDS_0165)
162
163
164
166
IMGVR_UViG_3300045988_168288|3300045988|Ga0495776_176324 128771:139639(+)
CDS_0172
CDS_0173
uvig_147453 132790:142309(+)
HNH endonuclease (CDS_0116)
CDS_0117
IMGVR_UViG_3300029249_000119|3300029249|Ga0168690_1000089 70022:80236(+)
CDS_0086
CDS_0089
MGV-GENOME-0373155 56929:65939(+)
HNH endonuclease (CDS_0110)
CDS_0111
IMGVR_UViG_3300045988_167775|3300045988|Ga0495776_089054 69331:79302(+)
CDS_0125
CDS_0126
MGV-GENOME-0362302 84385:94272(+)
CDS_0170
IMGVR_UViG_3300045988_150947|3300045988|Ga0495776_019980 126207:135520(+)
CDS_0114
uvig_45747_ 70956:81876(+)
homing endonuclease (CDS_0109)
CDS_0108
CDS_0110
IMGVR_UViG_3300045988_163937|3300045988|Ga0495776_073188 66440:76941(+)
homing endonuclease (CDS_0163)
CDS_0164
IMGVR_UViG_3300045988_162023|3300045988|Ga0495776_168620 123958:134255(+)
CDS_0115
CDS_0116
SAMEA3951682_b1_ct1 73042:82610(+)
CDS_0168
CDS_0169
CDS_0170
IMGVR_UViG_3300045988_163734|3300045988|Ga0495776_089053 128431:139076(+)
CDS_0113
CDS_0114
CDS_0115
MGV-GENOME-0375442 71157:83368(+)
homing endonuclease (CDS_0111)
CDS_0112
uvig_253040 69476:79858(+)
CDS_0180
CDS_0179
CDS_0181
CDS_0182
IMGVR_UViG_3300045988_164633|3300045988|Ga0495776_009592 137625:148773(+)
homing endonuclease (CDS_0178)
HNH endonuclease (CDS_0176)
CDS_0177
CDS_0179
uvig_332054 135175:146468(+)
CDS_0179
CDS_0180
CDS_0181
MGV-GENOME-0375146 133257:143884(+)
CDS_0166
CDS_0170
CDS_0171
CDS_0172
IMGVR_UViG_3300045988_164333|3300045988|Ga0495776_011010 131019:141331(+)
homing endonuclease (CDS_0170)
CDS_0169
CDS_0171
IMGVR_UViG_3300045988_154758|3300045988|Ga0495776_110456 130531:141075(+)
CDS_0112
CDS_0113
CDS_0114
MGV-GENOME-0371996 69262:79908(+)
CDS_0166
CDS_0167
CDS_0170
CDS_0171
CDS_0172
IMGVR_UViG_3300045988_159019|3300045988|Ga0495776_110453 130468:141034(+)
CDS_0176
CDS_0177
IMGVR_UViG_3300045988_152970|3300045988|Ga0495776_122645 134030:144019(+)
CDS_0116
CDS_0117
IMGVR_UViG_3300045988_161734|3300045988|Ga0495776_176344 72078:82167(+)
CDS_0164
CDS_0168
CDS_0169
MGV-GENOME-0374108 124112:135519(+)
CDS_0110
CDS_0111
MGV-GENOME-0374630 68861:80360(+)
CDS_0116
CDS_0117
MGV-GENOME-0372215 71523:81446(+)
CDS_0175
CDS_0174
CDS_0176
IMGVR_UViG_3300045988_172858|3300045988|Ga0495776_011076 134118:144523(+)
HNH endonuclease (CDS_0163)
CDS_0164
CDS_0165
IMGVR_UViG_3300045988_161115|3300045988|Ga0495776_163747 124133:134705(+)
HNH endonuclease (CDS_0150)
CDS_0151
CDS_0152
MGV-GENOME-0373199 116804:127357(+)
HNH endonuclease (CDS_0122)
CDS_0123
CDS_0124
SAMN09781704_a1_ct149525_vs1 72304:83194(+)
HNH endonuclease (CDS_0150)
CDS_0151
CDS_0152
CDS_0156
uvig_156727 99974:110544(+)
CDS_0111
CDS_0112
MGV-GENOME-0374372 67133:76431(+)
CDS_0115
CDS_0117
HNH endonuclease (CDS_0121)
homing endonuclease (CDS_0123)
CDS_0122
CDS_0124
uvig_186746 73754:84937(+)
CDS_0122
CDS_0121
CDS_0123
CDS_0124
IMGVR_UViG_3300045988_161914|3300045988|Ga0495776_011036 73754:84937(+)
CDS_0156
CDS_0157
MGV-GENOME-0373376 114491:124688(+)
CDS_0144
CDS_0145
RNA ligase (CDS_0146)
CDS_0151
CDS_0152
MGV-GENOME-0374388 121304:132628(+)
5000 nt
DNA, RNA and nucleotide metabolism
integration and excision
unknown function