```
                                                   1
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       MAPHLRSRSL TARHLTESRT EGLSFHGQRP DGTILAVDRG
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           MAPHLRSRSL TARHLTESRT EGLSFHGQRP DGTILAVDRG

                                                   41
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       RLLCTHADID ELERTLLGSS APVSHKDLVP IYCDRCLPYT
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           RLLCTHADID ELERTLLGSS APVSHKDLVP IYCDRCLPYT

                                                   81
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       LPWSQAPVSH DRDGLLPAHG YTVVGTAGVF SRDLVETKGM
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           LPWSQAPVSH DRDGLLPAHG YTVVGTAGVF SRDLVETKGM

                                                   121
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       EKTSQHYHLP LRDLELFTHT QKSNRVLLVH CDIPIGSVIC
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           EKTSQHYHLP LRDLELFTHT QKSNRVLLVH CDIPIGSVIC

                                                   161
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       YWHVHDRENA HCAVNALIVI TDQAFHTIFS RCKGLSWTTT
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           YWHVHDRENA HCAVNALIVI TDQAFHTIFS RCKGLSWTTT

                                                   201
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       SVVASELSLV GIPGRASSLI HSISRLSDLT QGTLPVSRKP
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           SVVASELSLV GIPGRASSLI HSISRLSDLT QGTLPVSRKP

                                                   241
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       DLRSLGYGRN SPRHADVVMA ALSKGTENPE ETASDQRREW
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           DLRSLGYGRN SPRHADVVMA ALSKGTENPE ETASDQRREW

                                                   281
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       KQMVEMLMGQ LDLLYEATIA KGPDDDGQAS KRYLSEGRDL
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           KQMVEMLMGQ LDLLYEATIA KGPDDDGQAS KRYLSEGRDL

                                                   321
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       FKKLHELKAH LEKLESASTP AAVSAAAPAP STSVPAPQQT
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           FKKLHELKAH LEKLESASTP AAVSAAAPAP STSVPAPQQT

                                                   361
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       TETPKEDSRA GTPEASVTSQ QAQSAPVPSQ PVTSVPSQPV
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           TETPKEDSRA GTPEASVTSQ QAQSALYPLN R*PLYPLNR*

                                                   401
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       TSVPSQPVTS VPSQPVTSVP SQPVTSVPSQ PVTSVQQPNK
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           PLYPLNR*PL YPLNR*PLYP LNR*PLYNNP IRWPAQTTFA

                                                   441
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       MASSDDIRDA VAKALADVIK PSIQQYTPPP QPNHGGGATG
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           TPSPRHSPT* SSLPSSNTLL HPSPTTAAER RGSGTLSRCS

                                                   481
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       FRDFVEMFKL MQQMHAPAQA PAPVAAPAPV VAQVPQSLSH
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           SSCSRCTLRL RPPHPLRPLL PWWPRFPSPC RTTGWWTTNT

                                                   521
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       HGLVDDEHPS TSAHQRGGKR KLELSDDDIK LFKKLREQDE
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           LPPRLTREEA SASWSCLTMT SSCLRS*GSK TSSAGARRSA

                                                   561
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       LSRREKERLA LKEELKKEMM AEFSSSVPQA AAPVVVPSTS
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           WPSKRSSRKR *WPSSPPPYL KQRHPWLYPL PQHQHPSPT*

                                                   601
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       APAPVTDVKQ LVSEAIKELL AVQQQQQQQA VVPAPQGVPG
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           SSW*ARPSRS CSPSSSSNSS KPWCRLPRES RVPPPPSPFQ

                                                   641
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       PATTISLPVA TLAAATGRSP AAAAALQSAI NNVHESASQL
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           WPPWPRPQAD HPQPQRHSRA PSTTYTSRPA SWSPAASTSE

                                                   681
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       VPGGLNLGVA GVPVNASTVV STPQPAVPST STQVVSVSAG
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           SPACPSTRRP S*AHHNPLYP PHQPRSSQSR RGSRSRAAAT

                                                   721
NON_MUTlcl|NC_009127.1_cds_YP_001096113.1_77       LEVQGGGNKK SLNDDARKMM MLMMDH*
MUTlcl|NC_009127.1_cds_YP_001096113.1_77           RNPSTTTPAR **C**WTTX- -------
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