logo

```
AT663 WP 002262990.1 NC 004350:170983-171228          .....MQLVINKWGNSSAIRLPK    18
AT10129 WP 005649046.1 NZ MZIN01000044:23205-23441    .....MLTKVFQSGNSQAVRIPM    18
AT1066 WP 005649046.1 NC 000907:351138-351374         .....MLTKVFQSGNSQAVRIPM    18
AT962 WP 010871641.1 NC 000911:c474432-474205         .....MNTAQISTDGTHQIVILPE    19
AT652 WP 001192482.1 NC 004342:c1008551-1008321       .....MQTAKLFINGRSQAVRLPK    19
AT3858 WP 012030622.1 NC 009446:1076865-1077095       .....MKVAKVFTTGRSQAVRIPK    19
AT3856 WP 012030622.1 NC 009446:296317-296547         .....MKVAKVFTTGRSQAVRIPK    19
AT10197 WP 001261276.1 NC 023314:c57660-57430         .....MRTVSIFKNGNNRAIRLPR    19
AT6112 YP 009066163.1 NC 025100:c160993-160763        .....MRTVSIFKNGNNRAIRLPR    19
AT6111 YP 009066160.1 NC 025100:c156298-155900        MPDICIFMVYAYPHHLHMLNLYICLTSAYTKHMHTPGAMNIIPDMHHISTLTRERIMRTVSIFKNGNNRAIRLPR    75
AT4922 WP 005616131.1 NC 010278:1929188-1929418       .....MEASVFMTNRSQAVRLPA    18
AT1070 WP 005648011.1 NC 000907:c1008816-1008583      .....MIEASVFMTNRSQAVRLPA    19
AT439 NP 461951.1 NC 003197:c3195787-3195560          .....MHTTLFFSNRTQAVRLPK    18
AT10054 WP 066619609.1 NZ CP014301:308578-308829      .....MPAKARATTKLFVTNRTQAVRLPK    24
consensus                                                  *    ** ** ******!*
```

logo

```
AT663 WP 002262990.1 NC 004350:170983-171228          QLVQELQLQTNDVLDYKVSGN.KIILEKVNNIPELTV.......EDLFKDYQGEPVNVTPALFESVGNEQW.    81
AT10129 WP 005649046.1 NZ MZIN01000044:23205-23441    DFRFD..V...DTVEIFRKENGDVVLRPVSKKTDDFLALFEGFDETFIQALEAR.....DDLPPQE.RENL.    78
AT1066 WP 005649046.1 NC 000907:351138-351374         DFRFD..V...DTVEIFRKENGDVVLRPVSKKTDDFLALFEGFDETFIQALEAR.....DDLPPQE.RENL.    78
AT962 WP 010871641.1 NC 000911:c474432-474205         NFTIA..G...SEVYIKKIGS.TIILIAKNNPWQSLIESLDQFSDDFMKTR.........EQPPLDI.REEF.    75
AT652 WP 001192482.1 NC 004342:c1008551-1008321       EFQFT..G...DDVLIQKVGE.AVILVPKNKAWNVFLEGLNGFSDDFFKEE.........REQPKSD.KREKL    76
AT3858 WP 012030622.1 NC 009446:1076865-1077095       AFQFD..T...KEVIIQRFGN.GILLIPKNSDWQGFLEALNEFEPDFKIER.........EPQIEQV.REDFL    76
AT3856 WP 012030622.1 NC 009446:296317-296547         AFQFD..T...KEVIIQRFGN.GILLIPKNSDWQGFLEALNEFEPDFKIER.........EPQIEQV.REDFL    76
AT10197 WP 001261276.1 NC 023314:c57660-57430         DLDFD.GV...SELEIVREGD.SIILRPVRPTWGSFAQLD.RADPDFMAER.........EDVVSDEGRFEP.    76
AT6112 YP 009066163.1 NC 025100:c160993-160763        DLDFE.GV...SELEIVREGD.RIILRPLRPSWSSFLELE.KADPGFMTER.........EDVVCDEGRFNL.    76
AT6111 YP 009066160.1 NC 025100:c156298-155900        DLDFE.GV...SELEIVREGD.SIILRPVRPTWGSFLELE.KADPDFMTER.........EDVVSDEGRVNL.   132
AT4922 WP 005616131.1 NC 010278:1929188-1929418       EVRFASDV...KKLSVRVVGN.ERILAPINQSWDSFFLGSATVSDDFMTER.........EISTQAE.REEL.    76
AT1070 WP 005648011.1 NC 000907:c1008816-1008583      EVRFSEEI...KKLSVRVSGS.DRILSPLNQSWDSFFLNDQAVSDDFMNER.........EIAFQPE.REAL.    77
AT439 NP 461951.1 NC 003197:c3195787-3195560          SISFPEDV...KHVEIIAVGR.SRIITPVGESWDSWFDGE.GASTDFMSTR.........EQPAVQE.REGF.    75
AT10054 WP 066619609.1 NZ CP014301:308578-308829      ELAFPPEV...TEVEIIRQGS.GVLIVPKGKGWDDFFDNGPFASEDFMVTR.........DQPLAAEEREEF.    83
consensus                                             ** **  *    ****  * *   *** **   *  ***      ****  **         *    *  **
```

X non conserved

X similar

X ≥ 50% conserved