```
logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  .....MPDA...ILRLALPSPLRRLFDYRAPAGVLRSALQPGMRLRVPFGRREMIGILIEIADHSEVPA..EKLKPAIAL   70
NTDB id 1072 ABD1 RS01805 WP 000156662.1       MTITPKPDSVVYRVRVAVPVHLYDTFDYTLTQAQY.ERAHVGSRVAISFGRQNLIGIITEKVDPSESFTGTFQLKAISDL   79
consensus                                      ***** !! *** *!*!*!  !   !!!  * *  *   **! !* **!!!  *!!!* !  ! !! * **  !!*   !

logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  LDEQAPLPPALFKLCLWTSQYYQHSLGDTLSWALPVLLRQGEPAESRQERFWQVAPNASVDDPRIARAPKQREALTTLAQ  150
NTDB id 1072 ABD1 RS01805 WP 000156662.1       LDEQPILDEQVLSLLTWSAQYYQFPIGEVMQTALPALLRQGKPMDVL.FHLWKITPCDNVEA.LLKRSGKQQDAYQILKL  157
consensus                                      !!!!**!** *  !* !* !!!!***!* *  !!! !!!!! ! *  * * ! * !*  !* * * ! *!! *!   !

logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  HPHGVAHQLLSKLMLNKESLNLLLAKELVQVEVRSHAPSARHEHWLAQPELPLNTEQRAACEAIRAGFESFHAFLLAGVT  230
NTDB id 1072 ABD1 RS01805 WP 000156662.1       HPAGTTENILNLSGVETATLKALQKKGLVDCTLEPHDFSPS.PVQLAQMPLTLNEDQKKATQYVVNAQHQYQAFLLDGLT  236
consensus                                      !!*!  ***!    *   *!  !  ! !! * * *! *!* *** !!!**!*!! *!* !*  *  * * **!!!! !*!

logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  GSGKTEVYLQLIRETLEAGKQALVLIPEINLGPQTLARFEQRFNARIALLHSAVNDRDRLDAWLAARDGEADIIIGTRSA  310
NTDB id 1072 ABD1 RS01805 WP 000156662.1       GSGKTEVYLHIMHEVLKQGKQVLVLVPEIGLTPQTISRFKSRFNCDIALLHSGLNDSKRLQAWQQAQTGKASIILGTRSA  316
consensus                                      !!!!!!!!!****! !  !!! !!!*!!! ! !!!* !!  !!!* !!!!!!**!!  !! !!  !  ! ! !!*!!!!!

logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  LFTPMKNPGLIIIDEEHDGSYKQQEGLRYHARDLALVRARQENIPIVLGSATPSLESLHNAYTGRYGLLRLNQRAGGAQQ  390
NTDB id 1072 ABD1 RS01805 WP 000156662.1       IYTPLPRLGLIILDEEHDLSYKQQEGFRYHARDVALYRGHLQGCPVLLGSATPSIDSYHLVETGKLTALQLNQRAGHALL  396
consensus                                      **!!** *!!!!*!!!!! !!!!!!! !!!!!!*!! !**   *!**!!!!!!!**! !   !!*   ! !!!!!!*!

logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  PKFMRLDVKSRPLDSGISGPMQQAIGQTLAAGQQVLVFLNRRGFAPTLLCHDCGWLSGCPRCDARMTVHQR.SGELRCHH  469
NTDB id 1072 ABD1 RS01805 WP 000156662.1       PKMHLIDLKIVKKQHGISQPLIEQIKNTLARKEQVLIFLNRRGYAPVLVCESCGWQANCPHCDAHFTLHTQPYSYLHCHH  476
consensus                                      !! * *!*!  *  *!!! !*   ! *!!!   !!!*!!!!!!*!! !*!* !!!   !!*!!!* !*!  *   !*!!!

logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  CGHVERVPRQCPSCGKVDLRPVGAGTERAEERLAILFPDYPVLRVDRDSTSRKDAMNQLFATIQRGQPCILVGTQMLAKG  549
NTDB id 1072 ABD1 RS01805 WP 000156662.1       CGTVHRLPDHCPECQQKSLKTLGAGTAKVEEHLQELFPDHDVIRVDRDSTSRVGSWQKIYDRIQQNKPSILLGTQMLAKG  556
consensus                                      !!*!*!*! *!! !    !***!!!! * !!*!  !!!!**!*!!!!!!!!!    * **  !!   !*!!*!!!!!!!!
```

```
logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  HHFPRVTLVSILDADGGLFSGDFRASERMAQLIVQVAGRAGRAEEPGRVIIQTHLADHPLLIQLTEQGYFAFAEQALSER   629
NTDB id 1072 ABD1 RS01805 WP 000156662.1       HHFPHVTLVAILDIDAGLLSVDIRAPERTAQLIVQVAGRAGRGEHKGHVYLQTLRPDHPLLTTLIEKDYRAVAKQTLAER   636
consensus                                      !!!!*!!!! !!! !*!! ! ! !!*!! !!!!!!!!!!!!!*!**!*! *!!* *!!!!!  ! !  ! ! ! ! ! !!

logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  RAAGLPPFAHLALLRAEAHKPGQAEGFLDEACSVAEQLLNDMNLGGIELLGPVPAPMERRAGRYRAQLLLQSSARAPLHR   709
NTDB id 1072 ABD1 RS01805 WP 000156662.1       KVALLPPYRYAVLIRAESKDRDYTLHFLNEAAEQLRQIA....GDIVDIWGPIPAPMERKAGRYRAHMVILSADRARLHF   712
consensus                                      * ! !!!* *  !*!!! * *    *!! !!*    !* ****   *** !!*!!!!!!*!!!!!!**** !  !!*!!

logo
NTDB id 1040996 ABRP31 RS25060 WP 349972180.1  LLASWLLALEQMPSGRQVRWSLDVDPVDLY   739
NTDB id 1072 ABD1 RS01805 WP 000156662.1       YLRQWWAQLVHAPRQHQLRLSIDVDPQEFS   742
consensus                                       !  !   ! * !  *!*! !*!!!! *
```

X non conserved

X similar

X $\geq$ 50% conserved