```
logo
NTDB id 1156780 KJP72 RS17350 WP 069703660.1  MYRYINVYKYLSLVFIILSFIYVIYLSYSFAFNIFVGADVKINEQGKLEVTNVLDYTDEYYSGVKKGDIILEVNGEKGSD   80
NTDB id 91 BSU 31690 NP 391047.2              ...MKNLIKKFTIAVIVLSILYISYTTYISMNGIIIGTKIHKNDKSQFMIEEISESSYGQFVGLRQGDIILKINKEKPSD   77
consensus                                     ***  !* !  **  !*!! *!* ! *!    ! *!  ** !*    *  * * *  * !** !!!!! *! !!*!!

logo
NTDB id 1156780 KJP72 RS17350 WP 069703660.1  IQLKSGRLVNVESLIVERDNKSFHLQNVSLIS...EENLFMYLIPVISYSICLFCIFFIYRINKVRKSTSAYILILFLLF   157
NTDB id 91 BSU 31690 NP 391047.2              KHLKWGYLSHINSLDILRSGKKIHLKDFDLVTLNRPYSFFLFVLPLFFYFLSIICIFYILKVNKKRRSFAAYILILLLLD   157
consensus                                      *!! ! ! ** !! * !  !  !!    !******   !****!*  ! *** !!!*! **!! !*!  !!!!!! !!

logo
NTDB id 1156780 KJP72 RS17350 WP 069703660.1  VSVAYVSACGARRGEEISTYLLVLTLVSCPVLYIHFIYKYFIELGTKLFEKKILIIMYMLPLINLLLEDVLSNRLKSSAF   237
NTDB id 91 BSU 31690 NP 391047.2              ISIAYISAGGPFRGHIINRYINLFTFISSPILYLQFIQRYLGEIGKTFLNRI..SFLYIIPIFNLGIEFFQDYLQVDIDF   235
consensus                                     *!*!!*!!*!* !!* !  !* * ! *!*!*!!**!! *!  !*!     * **  *!**!* !! *!           !

logo
NTDB id 1156780 KJP72 RS17350 WP 069703660.1  LSNLNLISFFVLVLTVSILIHKGIRKFKQKEQKSILKVLAYTNIFSFSPFIVFFAVPYVFLEKYVSPFS.LAAFTLVIPF   316
NTDB id 91 BSU 31690 NP 391047.2              LATLNLVSFATLTLFSFSAIYLHLNKYKYAEHSFILKLLILTNTLSFAPFLIFFVLPIIFTGNYIFPALASASLLVLIPF   315
consensus                                     !  !!!*!!  ! !     !* ** !*!  !*  !!!*!  !!  !! !!**!! *! *!   !* !  * !   **!!!

logo
NTDB id 1156780 KJP72 RS17350 WP 069703660.1  SLVYQFMTNRLYNIDFVVGRLKYYGFLAITPTIIVVTIFNYIQQPKDIFYLVKLTIAIYVLMFAVFYFKEIIDFRFKLKR   396
NTDB id 91 BSU 31690 NP 391047.2              GLVYQFVANKMFDIEFILGRMRYYALLAMIPTLLIVGALVLFDVMDIQMNPVRQTVFFFVVMFAVFYFKEVMDFKFRLKR   395
consensus                                      !!!!!* !*** !*!**!!**!!* !!* !!***!        *     *!* !*  *!*!!!!!!!!!**!!*!*!!!

logo
NTDB id 1156780 KJP72 RS17350 WP 069703660.1  FTEKFNYQDGIFKFTQLIKQASSVDQVLNHFKNTILDVLNYDNACVYDNSKGEITLLSKNNFKDLTYTNHEQYVKNFTGD   476
NTDB id 91 BSU 31690 NP 391047.2              FSEKFNYQDSIFKYTQLMRGVTSLQQVFKELKNTILDVLLVSKAYTFEVTPDHKVIFLDKHEVGPDWNFYQEEFENVTSE   475
consensus                                     !*!!!!!!! !!!*!!!**  *!* !!  * !!!!!!!! *  !* ** ** *  *    *   * *  *     ! ! *

logo
NTDB id 1156780 KJP72 RS17350 WP 069703660.1  IGKIKEFKQGFIIKIGERGDKSFLVLCFSSYNTFKLTRDEIAWLQTLAFYTNVSLENVMKIEELMVHLEDLKQQESNPVW   556
NTDB id 91 BSU 31690 NP 391047.2              IGKIIEVNQGFLMKVGERGGSSYVLLCLSNINTPRLTRDEISWLKTLSFYTSVSMENVLHIEELMEHLKDLKQEGTNPIW   555
consensus                                     !!!! !  !!!**!*!!!!  !***!! !  !!**!!!!!! !! !! !!! !!*!!**!!!!! !! !!!!  *!!*!
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logo

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NTDB id 1156780 KJP72 RS17350 WP 069703660.1  LKKLMYTIEEKQRSDLARDLHDSVLQDLISLKRQCELFLGDFKKDDNPCREEVQDKLVQMNEQMSDVISMTRETCHELRP  636
NTDB id 91 BSU 31690 NP 391047.2              LKKLMFAIEEKQRSGLARDLHDSVLQDLISLKRQCELFLGDFKKDDNPCREEVQDKLVQMNEQMSDVISMTRETCHELRP  635
consensus                                     !!!!!* !!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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logo

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NTDB id 1156780 KJP72 RS17350 WP 069703660.1  QLLYDLGLVKALSKLVAQQQERVPFHIRLNTGRFTASLDLDSQLNLYRIIQEFLSNAVKHSQATDVLIMLISIQNKIVLH  716
NTDB id 91 BSU 31690 NP 391047.2              QLLYDLGLVKALSKLVAQQQERVPFHIRLNTGRFTASLDLDSQLNLYRIIQEFLSNAVKHSQATDVLIMLISIQNKIVLH  715
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```
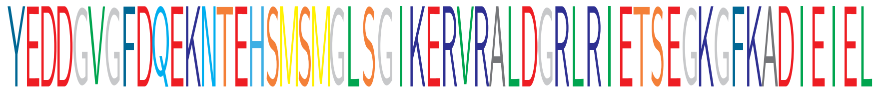

logo 

```
NTDB id 1156780 KJP72 RS17350 WP 069703660.1  YEDDGVGFDQEKNTEHSMSMGLSGIKERVRALDGRLRIETSEGKGFKADIEIEL  770
NTDB id 91 BSU 31690 NP 391047.2              YEDDGVGFDQEKNTEHSMSMGLSGIKERVRALDGRLRIETSEGKGFKADIEIEL  769
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved