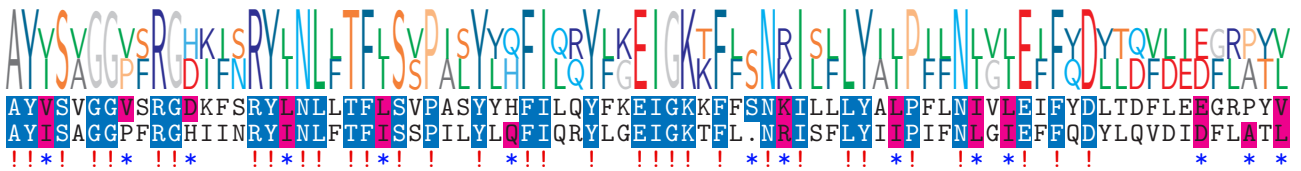
```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  MKFSLKLVSVTLVVITCIYTFFVIYLCYNNMFVGAYLAYNSKNQLVVDYVEEDSLADYTGLKAGDIILEVNNEKPSKKEP   80
NTDB id 91 BSU 31690 NP 391047.2             MKNLIKKFTIAVIVLSILYISYTTYISMNGIIIGTKIHKNDKSQFMIEEISESSYGQFVGLRQGDIILKINKEKPSDKHL   80
consensus                                    !!  *!  ** **!****!  *  !** ! * *!  ** ! ! ! *** * ! ! * * !!* !!!!! *! !!!! !**
```

```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  KNKILADVRSLSIERNGKIITTDTRDTII..SYDVLFTVLIPVVFYLLCMFCVFLILKSNKTNKQMSSFLLISFLIIISL   158
NTDB id 91 BSU 31690 NP 391047.2             KWGYLSHINSLDILRSGKKIHLKDFDLVTLNRPYSFFLFVLPLFFYFLSIICIFYILKVNKKRRSFAAYILILLLLDISI   160
consensus                                    !   ! ** !! ! ! !! !*    ! * ** *   !  **!* !! !** !*! !!! !!  *    **!!  !* !!*
```




```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  AYVSVGGVSRGDKFSRYLNLLTFLSVPASYYHFILQYFKEIGKKFFSNKILLLYALPFLNIVLEIFYDLTDFLEEGRPYV   238
NTDB id 91 BSU 31690 NP 391047.2             AYISAGGPFRGHIINRYINLFTFISSPILYLQFIQRYLGEIGKTFL.NRISFLYIIPIFNLGIEFFQDYLQVDIDFLATL   239
consensus                                    !!*! !!* !!*   !!*!! !!*! !  ! *!!  !  !!!! ! *!*!  !! *!  !* *! ! !      *  * *
```

```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  NLFSFFIGIVLVFGVIIYGLIKYKHSEEIYFLKMLMLGNFLGVFPFVVFFVLPILIIGDYIYSAAVVAPCLLIIPFSLVY   318
NTDB id 91 BSU 31690 NP 391047.2             NLVSFATLTLFSFSAIYLHLNKYKYAEHSFILKLLILTNTLSFAPFLIFFVLPIIFTGNYIFPALASASLLVLIPFGLVY   319
consensus                                    !! !!    *  !  !  *! !!!* !* * !!*!*! ! !   !!**!!!!!!* ! !!**!   !**!**!!! !!!
```

```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  QFISNKTYDVEFLVGRLKYYGLLAIIPTIMLISAFKLIKYQTGDYYDLRFTIYIYLVMLGVFYLKEILDYRFRLKRFSEK   398
NTDB id 91 BSU 31690 NP 391047.2             QFVANKMFDIEFILGRMRYYALLAMIPTLLIVGALVLFDVMDIQMNPVRQTVFFFVVMFAVFYFKEVMDFKFRLKRFSEK   399
consensus                                    !!* !! *!*!!**!!**!!*!!!*!!!****  !   !          **!  !** **!! *!!!  !!**!**!!!!!!!!!
```

```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  YNYQDSIFKFTQTIRTHSSLNQVLLELKQTILDVLIVSQAHVLKVKSDGTISLLEEDAKEYPWIPYEQEVTKVITDIGKI   478
NTDB id 91 BSU 31690 NP 391047.2             FNYQDSIFKYTQLMRGVTSLQQVFKELKNTILDVLLVSKAYTFEVTPDHKVIFLDKHEVGPDWNFYQEEFENVTSEIGKI   479
consensus                                    *!!!!!!!!*!! *! **!!*!!   !!!*!!!!!!*!! !*    ! *!* *  !* *   **! *!  !   !  **!!!!
```

```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  VEVDRGFLIKIGERGGTSYVMLCLSVLNTPRLTRDEISWLETLAFYTSVSLENVLKIGELMEHLENVKKEGPNPAWLNKL   558
NTDB id 91 BSU 31690 NP 391047.2             IEVNQGFLMKVGERGGSSYVLLCLSNINTPRLTRDEISWLKTLSFYTSVSMENVLHIEELMEHLKDLKQEGTNPIWLKKL   559
consensus                                    *!!  !!!*!*!!!!!*!!!*!!!! *!!!!!!!!!!!!!! !! !!!!!!*!!!!*! !!!!!!  *! !!*!! !! !!
```

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logo
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```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  MFAIEEKQRSDLARDLHDSVLQDMISLKHQSEMFLADFEKD.KACTNQIRQRLINMNEQMSAVIQTTRETCQELRPQLLY  637
NTDB id 91 BSU 31690 NP 391047.2             MFAIEEKQRSGLARDLHDSVLQDLISLKRQCELFLGDFKKDDNPCREEVQDKLVQMNEQMSDVISMTRETCHELRPQLLY  639
consensus                                    !!!!!!!!!! !!!!!!!!!!!!*!!!!*!*!*!!*!! !!* *!    *   *!**!!!!!! !!   !!!!!*!!!!!!!!
```

```
logo
```

```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  DLGLVKALSKLAAQHQESSSIDKIRLNTERFSKVLDLDTQLNLYRIVQELLSNAVKHSRANEVLIMLVCIKEKVVLHYED  717
NTDB id 91 BSU 31690 NP 391047.2             DLGLVKALSKLVAQQQERVP.FHIRLNTGRFTASLDLDSQLNLYRIIQEFLSNAVKHSQATDVLIMLISIQNKIVLHYED  718
consensus                                    !!!!!!!!!!! !!*!!  ** *!!!!! !!*  !!!!*!!!!!!!*!! !!!!!!!! ! *!!!!!**!  !*!!!!!!
```

```
logo
```

```
NTDB id 335842 EQJ69 RS16995 WP 025807478.1  DGIGVDPDKLYQNSASMGLSGIRERVRALNGSLDIQTAEGKGFRVAIEMGL  768
NTDB id 91 BSU 31690 NP 391047.2             DGVGFDQEKNTEHSMSMGLSGIKERVRALDGRLRIETSEGKGFKADIEIEL  769
consensus                                    !!*! !**!   *! !!!!!!!*!!!!!! ! ! ! ! !!!!!*  !!* !
```

X non conserved
X similar
X ≥ 50% conserved