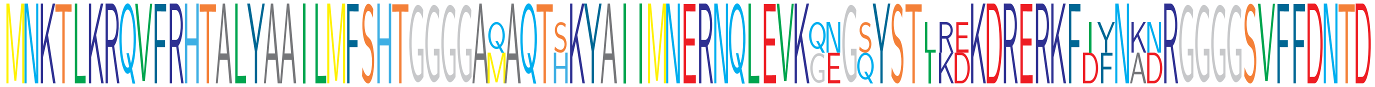
```
logo
```


```
NTDB id 47759 NMV RS10000 WP 014574221.1  MNKTLKRQVFRHTALYAAILMFSHTGGGGAQAQTSKYAIIMNERNQLEVKQEGSYSTLREKDRERKFDFNANRGGGGSVFFDNTD  85
NTDB id 1090 CAA90909.1 1..3114( )        MNKTLKRQVFRHTALYAAILMFSHTGGGGAMAQTHKYAIIMNERNQLEVKGNGQYSTIKDKDRERKFIYNKDRGGGGSVFFDNTD  85
consensus                                 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!*!!!!!!!!!!!!!!!  ! !!!***!!!!!!! *!  !!!!!!!!!!!!!
```

```
logo
```

```
NTDB id 47759 NMV RS10000 WP 014574221.1  TLVSRQSGTAVFGTATYLPPYGKVSGFDADGLNKRGNAAGWIRTTRIALAGYSYKGVVCRSGTGCPKLVYKTRFSFDNPDLVKNA  170
NTDB id 1090 CAA90909.1 1..3114( )        TLVSQQRGTAVFGTATYLPPYGKVSGFDADGLQKRNNAVDWIHTTQAGLAGYAYTDVICRSN.QCPQLVYETKFSFDGIGLAKNA  169
consensus                                 !!!! ! !!!!!!!!!!!!!!!!!!!!!!!!!*!! !!  !!*!!  *!!!! !  !*!!! * !! !!! !*!!!! * ! !!!
```

```
logo
```

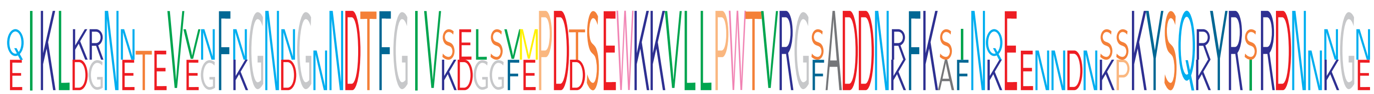
```
NTDB id 47759 NMV RS10000 WP 014574221.1  GRLDRHTDPSRENSPIYKLKDYPWLGVSFNLGAEGTTKDGKTINKLVSSFDEKNSSNNNLVYTTEGRDISLGDWQREKTAMAYYL  255
NTDB id 1090 CAA90909.1 1..3114( )        GSLDRHPDPSRENSPIYKLKDHPWLGVSFNLGSENTVKDGKSFNKLISSFSEGNN.NQTIVSTTRGHSISLSDWKREHTAMAYYL  253
consensus                                 ! !!!!*!!!!!!!!!!!!!!*!!!!!!!!!! ! ! !!!!* !!!*!!! ! ! *!* *! !! !* !!! !! !!*!!!!!!!
```

```
logo
```

```
NTDB id 47759 NMV RS10000 WP 014574221.1  NAKLHLLDKKGIKDITN.KTVQLGVLRPSIDVRLQRNTGLTGLLNFWASWDIKDNGQIPVKLGLPEVKAGRCINANNPNKSTKAP  339
NTDB id 1090 CAA90909.1 1..3114( )        NAKLHLLDKKGIEDIAQGKTVDLGTLRPRVEATVRR....GELLNFWATWKIEDKGNITVRLGLPEVKAGRCVNKANPNPNAKAP  334
consensus                                 !!!!!!!!!!!! !! **!!! !! !!! **  * !****  !!!!!!*! ! ! !*!*!*!!!!!!!!!!!*!  !!!*  !!!
```

```
logo
```

```
NTDB id 47759 NMV RS10000 WP 014574221.1  SPALTAPALWFGPVQNGKMEMYSASVSTYPDSSSSRIFLQNLKRKNDPNKPGRYSLATLNKSDIESREPTFTGRQTVIRLDKGVH  424
NTDB id 1090 CAA90909.1 1..3114( )        SPALTAPALWFGPVKDGKAEMYSASVSTYPDSSSSRIYLQNLKRKTDPGKPGRHSLETLTENDIKSREPNFTGRQTIIRLNGGVR  419
consensus                                 !!!!!!!!!!!!!!  !! !!!!!!!!!!!!!!!!!!*!!!!!!! !! !!!!*!! !!   !! !!!! !!!!!!*!!!  !!*
```

```
logo
```


```
NTDB id 47759 NMV RS10000 WP 014574221.1  QIKLKGNE..VEGFKGNNG.NDTFGIVSEGSFMPDDSEWKKVLLPWTVRGSADDNRFKSINQE.....SSKYSQRYRIRDN.NGN  500
NTDB id 1090 CAA90909.1 1..3114( )        EIKLDRNNTEVVNFNGNDGNNDTFGIVKDLGVEPDTSEWKKVLLPWTVRGFADDNKFKAFNKEENNDNKPKYSQKYRSRDNNKGE  504
consensus                                  !!!  ! **!  ! !! !*!!!!!!! *    !! !!!!!!!!!!!!!! !!!!*!!  ! !***** *!!!!*!! !!!* !
```

```
logo
```

```
NTDB id 47759 NMV RS10000 WP 014574221.1  RNLGDIVNSPIVAVGEYLATSANDGMVHIFKKNGGGDDRNYSLKLSYIPGTMPRKDIQNTESTLAKELRTFAEKGYVGDRYGVDG  585
NTDB id 1090 CAA90909.1 1..3114( )        RNLGDIVNSPIVAVGEYLATSANDGMVHIFKQS.GGDKRSYNLKLSYIPGTMPRKDIQNTESTLAKDVRTFAEKGYVGDRYGVDG  588
consensus                                 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  *!!! ! ! !!!!!!!!!!!!!!!!!!!!!!!!**!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 47759 NMV RS10000 WP 014574221.1  GFVLREVE.LSGKKHVFMFGAMGFGGRGAYALDLTKADSNNPTAVSLFDVKNDK.NSNNGVQLGYTVGTPQIGKTHDGKYAAFLA  668
NTDB id 1090 CAA90909.1 1..3114( )        GFVLRKVDNLNGQNRVFMFGAMGFGGRGAYALDLTKADGSDPTAVSLFDVKDNGNNGNNRVELGYTVGTPQIGKTHDGKYAAFLA  673
consensus                                 !!!!! !**! !  *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 47759 NMV RS10000 WP 014574221.1  SGYATKEI.TSNDNKTALYVYDLESNGT..LIKKIEVPGGKGGLSSPTLVDKDLDGTVDIAYAGDRGGKMYRFDLSGNNLNSWTV  750
NTDB id 1090 CAA90909.1 1..3114( )        SGYATKEIITSGDNKTALYVYDLEGNGTNNLIKKIEVPGGKGGLSSPTLVDKDLDGTVDIAYAGDRGGNMYRFDLSSQDPQQWSV  758
consensus                                 !!!!!!!!*!!  !!!!!!!!!!!!  !!!**!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 47759 NMV RS10000 WP 014574221.1  RTIFEGTKPITSAPAISQLKDKRVVIFGTGSDLSEDDVDNNDMQSIYGIFDNDTDTG..VAKDGQGNGLLEQVLSE..ENKTLFL  831
NTDB id 1090 CAA90909.1 1..3114( )        RTIFEGTKPITSAPAISQLKDKRVVIFGTGSDLSEEDVDNMEEQYIYGIFDDDTATTGTVNFSDSGGGLLEQVLRRDNDNKTLFL  843
consensus                                 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!! *  ! !!!!!! !! ! **!     ! !!!!!!!  ***!!!!!!
```

logo

```
NTDB id 47759 NMV RS10000 WP 014574221.1  TDYKRSDGSGSKGWVVKLKEGQRVTVKPTVVLRTAFVTIHKYTGTDKCGAETAILGINTADGGKLTKKSARPIVPAANTAVAQYS  916
NTDB id 1090 CAA90909.1 1..3114( )        TDYKRSDGSGNKGWVVKLKDGQRVTVKPTVVLRTAFVTIHKYTGTDKCGAETAILGINTADGGKLTKKSARPIVPEANTAVAQYS  928
consensus                                 !!!!!!!!!! !!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 47759 NMV RS10000 WP 014574221.1  GHKQTAKGKSIPIGCMWKNNETVCPNGYVYDKPVNVRYLDEKKTDGFSTTADGDAGGSGIDPDGKRAGKNNRCFSQKGVRTLLMN  1001
NTDB id 1090 CAA90909.1 1..3114( )        GHKKGTNGKSIPIGCMQKSNEIVCPNGYVYDKPVNVRYLDEKKTDGFSTTADGDAGGSGIDPAGKRSGKNNRCFSQKGVRTLLMN  1013
consensus                                 !!!    !!!!!!!!! ! !! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

<0

logo

```
NTDB id 47759 NMV RS10000 WP 014574221.1  DLDSLDITGPTCGMKRISWREVFF.  1025
NTDB id 1090 CAA90909.1 1..3114( )        DLDSLDITGPTCGMKRISWREVFY*  1037
consensus                                 !!!!!!!!!!!!!!!!!!!!!!!*
```

X non conserved
X similar
X ≥ 50% conserved