```
logo
NTDB id 376228 FP515 RS13800 WP 025039107.1  .MQEQQILALDGRTFIKGVCLAVIFHNEETLYTVVRVRVEETNEAPVEEEVVVTGYFPRLNEGDVYIFYGQFRQHPRFGR   79
NTDB id 355 BSU 27480 NP 390625.1            MQQHPDQLKLFEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL   80
consensus                                    * !**  ! !*  ***!! *  !!*!!*  !!!!**!*! !! !!* * ! !!!!!! !*! * ! !!!    !!*!!
```

```
logo
NTDB id 376228 FP515 RS13800 WP 025039107.1  QYAASQFRKQLPNTKEGVIHYLSSGLFKGIGKKTAAAIVETLGENAIAAILRDPRALERVPKLTKKKAKQLYDALRAHEG  159
NTDB id 355 BSU 27480 NP 390625.1            QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG  160
consensus                                    !* ! *!*! *! !!!!*!*!!!! !! !!!!!!!  !!  !!* !!  !! !*  !  !!*!*!!!!  !  !!  ! !
```

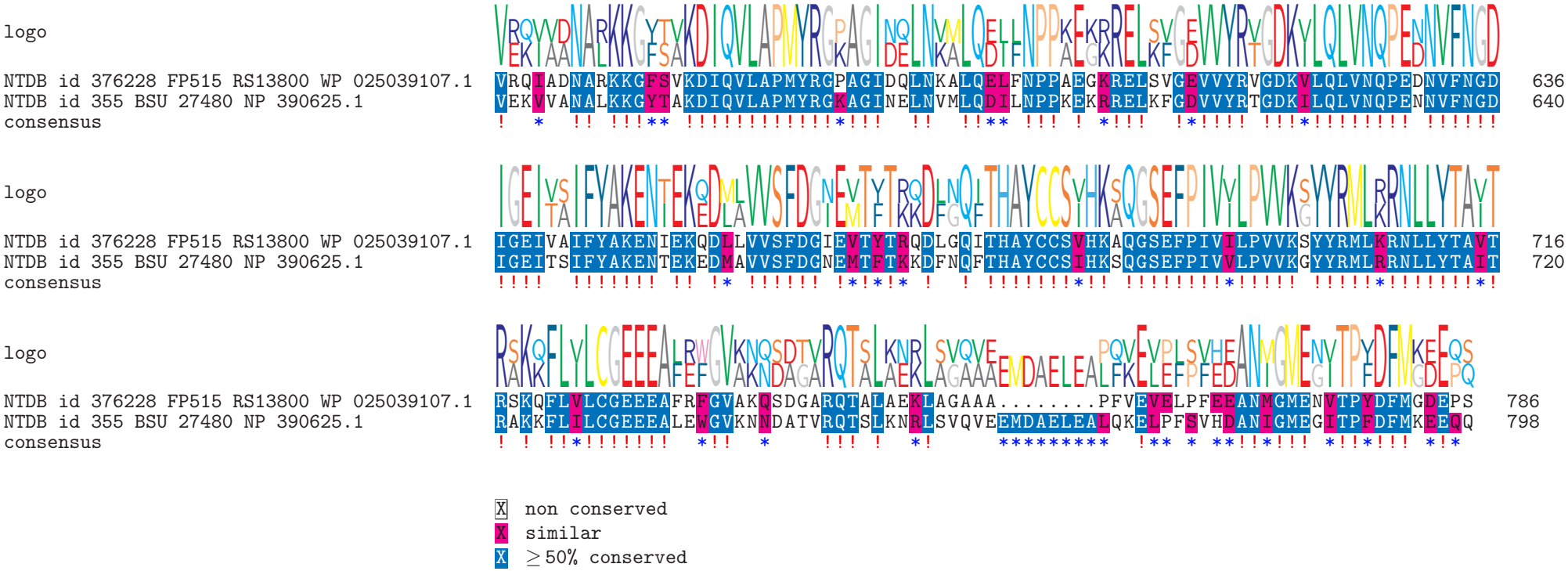
```
logo
NTDB id 376228 FP515 RS13800 WP 025039107.1  LEQTMIALAQLGFGPQLAMKIYQAYGEEAVDIIHENPYQLVEDIEGIGFGRADEIGRQLGISGSHPARLRAASLFVLEQA  239
NTDB id 355 BSU 27480 NP 390625.1            LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT  240
consensus                                    !!! !! ! ! !!!!!! !!!!!!! ! ** !*!!!!!!! !*!!!!!*!!!*! *!*!! !! !**!! !* !!
```

```
logo
NTDB id 376228 FP515 RS13800 WP 025039107.1  CLQEGHVYLREEELMERVGELLDGRLSG..AVDGRAISQTLLMLSEEGKLIAEQGRYYLPSLYFAEKGIVSNIKRLLGQT  317
NTDB id 355 BSU 27480 NP 390625.1            CLSEGHTYIETEQLIIDTQSLLNQSAREGQQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT  320
consensus                                    !! !!! !*  ! !*     !!       ** *      * ** ! !   ** ! !!*! !!!**!!  *   *!**  !!
```

```
logo
NTDB id 376228 FP515 RS13800 WP 025039107.1  P.PSAFAESEFLLALGALEERLGMQYAPQQREAIQQALSSPLFILTGGPGTGKTTVIKGIVELFAALNGLSLDPADYKQG  396
NTDB id 355 BSU 27480 NP 390625.1            EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKD  400
consensus                                    ***  !*!!!!!!!!! !!!!* *!!!! !*!!!! !!!!!* *!!!!!!!!!!!!!!*!!!!!** !*!*!!!!  !!
```

```
logo
NTDB id 376228 FP515 RS13800 WP 025039107.1  EPFPVLLAAPTGRAAKRMSEATGLPAATIHRLLGWNGAEGFSRDENEPISGKLLVIDEMSMVDTWLANQLLKAVPNGMQV  476
NTDB id 355 BSU 27480 NP 390625.1            EAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQI  480
consensus                                    !*!!**!!!!!!!!!!!!!!! !!!!! !!!!!!!!!!!!!!** !  !! !!!!*!!! !!*! !!!!*! !!*! **!*
```

```
logo
NTDB id 376228 FP515 RS13800 WP 025039107.1  IFVGDEDQLPSVGPGQVLKDLLSSGVIPFARLTEVYRQAEGSSIIELAHEMKRGVVPDDLTAPKADRSFIRCRAGQVVDV  556
NTDB id 355 BSU 27480 NP 390625.1            IIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEV  560
consensus                                    ! !!!!!!!!!!!!!!!!!*!!! ! !!!  !!!**!!!!!!!!!*!!!! !! !**!  !!!!  !!!!!!! * !* *!
```


logo
NTDB id 376228 FP515 RS13800 WP 025039107.1 VRQIADNARKKGFSVKDIQVLAPMYRGPAGIDQLNKALQELFNPPAEGKRELSVGEVVYRVGDKVLQLVNQPEDNVFNGD 636
NTDB id 355 BSU 27480 NP 390625.1 VEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGD 640
consensus
logo
NTDB id 376228 FP515 RS13800 WP 025039107.1 IGEIVAIFYAKENIEKQDLLVVSFDGIEVTYTRQDLGQITHAYCCSVHKAQGSEFPIVILPVVKSYYRMLKRNLLYTAVT 716
NTDB id 355 BSU 27480 NP 390625.1 IGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAIT 720
consensus
logo
NTDB id 376228 FP515 RS13800 WP 025039107.1 RSKQFLVLCGEEEAFRFGVAKQSDGARQTALAEKLAGAAA.....PFVEVELPFEEANMGMENVTPYDFMGDEPS 786
NTDB id 355 BSU 27480 NP 390625.1 RAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQVEEMDAELEALQKELPFSVHDANIGMEGITPFDFMKEEQQ 798
consensus
X non conserved
X similar
X ≥ 50% conserved