

```
NTDB id 1172 A1552VC RS12120 WP 000902745.1   MLHKVNLLPWRDARREAHKRRFLGLVTLGVLLAVLMQFAAGEYLGGQMALQQERIGYLQQHIFSLDQQIAKLKIAEEEHK   80
NTDB id 100121 AL539 RS10300 WP 104975648.1   MLYRINLLSWREKQREEHRRRFISLVALGMLVAVGIQWGIGKFFEYQQDQQQERLDYLTHYIAELDQRIEAMKIAEQEHS   80
NTDB id 1405 DSB67 RS13995 WP 010643496.1     MLYHINLLAWRENQREEHRRRFIGLILLGAIAALGVQWGIGKYYQYQQDQQQQRLDYLAHYISQLDTRIEAMKIAEQEHS   80
consensus                                     !!*****!!!  !!*  *!!*!*!!!**!*  !!***!***!***!***  *!***!!*!**!!  **!   !!**!***!!!!*!!*
```



```
NTDB id 1172 A1552VC RS12120 WP 000902745.1   ALLTRLTVVEQLQQKRNKTTEFMNQMPNLIPEGVYVDKIKMNGHQIEITGISDSTARLATMLDNLEKSDKLTDVEMHEIV   160
NTDB id 100121 AL539 RS10300 WP 104975648.1   KILERLKVVEGLQNGRNKTTEFMNLMPAVIPEGVYVDKIKMNDLEIEISGISDSTPKLATMLDNMERSAKLNDVEMHSIV   160
NTDB id 1405 DSB67 RS13995 WP 010643496.1     KILERLKTVEGLQNGRNKTTEFMNLMPSVIPEGVYVDKIKMNDYEIEISGISDSTSRLATMLDNMERSAKLLDVDMHSIV   160
consensus                                     **!*!!**!!*!!**!!!!!!!!!*!! *!!!!!!!!!!!!!* *!!!*!!!!!! *!!!!!!!*!*!*!! !!*!!*!!
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```
NTDB id 1172 A1552VC RS12120 WP 000902745.1   SGNKRFGKQFQSFKVSFQILTPASNPQAGGAHNG   194
NTDB id 100121 AL539 RS10300 WP 104975648.1   HGKARFGKEFQTFKVSFMFKVTEKK...LEAQRG   191
NTDB id 1405 DSB67 RS13995 WP 010643496.1     HGKARFGKEFQTFKVSFMFKDASIK...GGKQHG   191
consensus                                     *!**!!!!*!!*!!!!!***    *   **** !
```

X non conserved

X similar

X ≥ 50% conserved