```
logo

NTDB id 422789 G3T44 RS06700 WP 167861802.1  MKFSDKIKKEFSGKTVLLLQGPVGTFFHRLAIKMKKNKTKVFKLNFNGGDFLFYPSGKRCKCDEKDLENFYENFFKEKKI   80
NTDB id 1240 Cj1413c YP 002344796.1          MRFSTKIKKEFSGKNVLLLQGPVGNFFHHLAVKMRKNQTKVFKLNFNGGDFFFYPSGTRCKCDEKDLENFYRDFFQNKKI   80
consensus                                    !*!! !!!!!!!!! !!!!!!!!! !!!*!!*!!*!! !!!!!!!!!!!!! !!!!! !!!!!!!!!!!!!   !!   !!!

logo

NTDB id 422789 G3T44 RS06700 WP 167861802.1  DAIVMYNDCRLIHAKAIKVAKELGIGIWIFEEGYLRPYCITFEKDGVNANSSLPRDKNFYLSCNILTKESIKEIPGGFKF  160
NTDB id 1240 Cj1413c YP 002344796.1          DAILMYNDCRIIHAKAIKVAKELGIEIWIFEEGYLRPYCITLEKDGVNANSSLPRDKNFYLSQNIFTKESIKEIPGGFKF  160
consensus                                    !!!*!!!!!!*!!!!!!!!!!!!!!! !!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!*!! !!!!!!!!!!!!!!

logo

NTDB id 422789 G3T44 RS06700 WP 167861802.1  MAFSAFLYWFFSFLLAPFFNNKLHHRTLYPFEFLFWFRSLYRKYLYKFTEKKLNQKIYSLEKKYFLAVLQVYSDTQIKYH  240
NTDB id 1240 Cj1413c YP 002344796.1          MAFDAFLYWLFAFILAPFFNNKLHHRTLYPFEFLFWFRSLYRKYLYKITEKKLNEKIYNLEKKYFLAILQVYSDTQIKYH  240
consensus                                    !!! !!!!! ! !*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!! !!! !!!!!!!!*!!!!!!!!!!!!

logo

NTDB id 422789 G3T44 RS06700 WP 167861802.1  YKKSIEDFIEELILSFANHARTKSYLVFKHHPMDRGYRNYSKLINELSQKYHVEGRILYVHDTYLPTLLKKALGCITINS  320
NTDB id 1240 Cj1413c YP 002344796.1          YKKSIEHFIEETILSFANHARAKSYLVFKHHPMDRGYKNYFKLINDLSRKYHVEGRVLYVHDTHLPVLLRKALGCITINS  320
consensus                                    !!!!!!*!!!! !!!!!!!!! !!!!!!!!!!!!!!!*!! !!!!*!! !!!!!!!*!!!!!!*!! !!*!!!!!!!!!!

logo

NTDB id 422789 G3T44 RS06700 WP 167861802.1  TVGLSAILEGCPTKVCGNAFYDFEGLAYPKKLQFFWREAHAYKPNPNLVLNFKNYLLNTNQFNGNFYKNSFLSR   394
NTDB id 1240 Cj1413c YP 002344796.1          TVGLSAILEGCPTKVCGNAFYNFEGLSYPKKLQFFWREAHAYKPNPVLVCNFKKYLLQTNQFNGNFYKNFFLDK   394
consensus                                    !!!!!!!!!!!!!!!!!!!!!! !!!! !!!!!!!!!!!!!!!!!!! !!*!!! !!!*!!!!!!!!!!! !! *
```

X non conserved

X similar

X $\geq$ 50% conserved