logo

```
NTDB id 98645 MGAS23530 RS00545 WP 021340473.1  MLDILSYDFMQRAVMAVVAISIFAPILGIFLILRRQSLMSDTLSHVSLAGVALGVVIGISPTITTIIVVVLAAILLEYLR  80
NTDB id 434 SGO RS09485 WP 012130954.1          MLNLFSYDFMQRAFLAVIAMSLFSPILGTFLILRRQSLMSDTLSHVSLAGVAFGLVLGLSPTLTTVIVVMIAAVFLEYLR  80
NTDB id 437 SPR RS10075 WP 000950018.1          MLSLLSYDFIQRAFLAVIAMSLFSPVLGTFLILRRQSLMSDTLSHVSLSGVAFGLVLGISPTVSTIAIVLIAAVFLEYLR  80
consensus                                       !! **!!!!*!!!**!!*!*!*!*!*!!*!!!!!!!!!!!!!!!!!!!*!!!*!*!*!*!!!**!***!**!!**!!!!!
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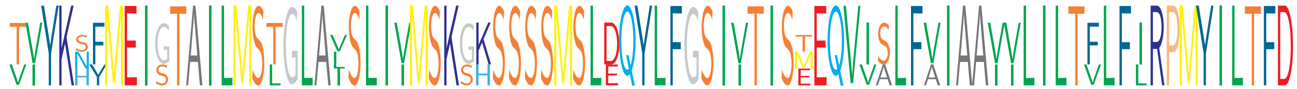
logo



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NTDB id 98645 MGAS23530 RS00545 WP 021340473.1  VVYKHYMEISTAILMSLGLALSLIIMSKSHSSSSMSLEQYLFGSIITISMEQVVALFAIAAIILILTVLFIRPMYILTFD  160
NTDB id 434 SGO RS09485 WP 012130954.1          TIYKNFMEIGTAILMSTGLAISLIVMSKGKSSSSMSLDQYLFGSIVTISTEQVISLFVIAAVVLILTFLFIRPMYILTFD  160
NTDB id 437 SPR RS10075 WP 000950018.1          TVYKSFMEIGTAILMSTGLAVSLIVMSKGKSSSSMSLDQYLFGSIVTISEEQVISLFVIAAVVLILTFLFLRPMYILTFD  160
consensus                                       **!! *!!!*!!!!!!*!!!*!!!*!!!**!!!!!!!*!!!!!!!*!!! !!!**!!*!!!**!!!!*!!*!!!!!!!!!
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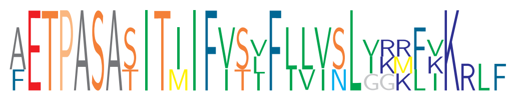
logo

```
NTDB id 98645 MGAS23530 RS00545 WP 021340473.1  EDTAFVDGLPVRLMSVLFNIVTGVAIALTIPAAGALLVSTIMVLPASIAMRLGKNFKTVILLGIVIGFSGMLSGIFLSYF  240
NTDB id 434 SGO RS09485 WP 012130954.1          EDTAFVDGLPVRTMSILFNIVTGVAIALMIPAAGALLVSTIMVLPASIALRIGKNFKSVILLANIIGFFGMIAGLYISYY  240
NTDB id 437 SPR RS10075 WP 000950018.1          EDTAFVDGLPVRTMSILFNMVTGVAIALMIPAAGALLVSTIMVLPASIALRLGKNFKSVMLLASAIGFLGMVAGLYISYY  240
consensus                                       !!!!!!!!!!!!*!!*!!!*!!!!!!!!*!!!!!!!!!!!!!!!!!!!!*!*!!!!!*!*!!* *!!! !!**!***!!*
```

logo



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NTDB id 98645 MGAS23530 RS00545 WP 021340473.1  FETPASATITMIFISIFLLVSLGGMLKKRLF   271
NTDB id 434 SGO RS09485 WP 012130954.1          AETPASASITIIFVSLFLVVNLIKKFVK...   268
NTDB id 437 SPR RS10075 WP 000950018.1          AETPASASITIIFVTVFILISLVRRFIK...   268
consensus                                       *!!!!!!*!!*!!***!****!*****!
```

X non conserved

X similar

X ≥ 50% conserved