```
MQYTYQHIQDLVPGPTPQNFYGKIIFIKKKINQIVVLIKDETQSIYLRVIPKEDQELEFQLRQVVRVHRCKIQSILNSKEGIAQIGLFGCHLIAWSQSGKVDNPVIISSRSWTKSDEDSE   120
MQYTYQHIQDLVPGPTPQNFYGKIIFIKKKINQIVVLIKDETQSIYLRVIPKEDQELEFQLRQVVRVHRCKIQSILNSKEGIAQIGLFGCHLIAWSQSGKVDNPVIISSRSWTKSDEDSE   120
.......................................................................................................................   0
.....................MQYTYQHIQDLVPGPTPQNFYGKIIFIKKKINQIVVLIKLRQVVRVHRCKIQSILNSKEGIAQIGLFGCHLIAWSQSGKVDNPVIISSRSWTKSDEDSE   99
***********************************************************************************************************************

RLQTLRKLGKSRRKSGRKTSVDTMANKLIERREAMFADTFIKSLFNKIALSRKEHLSRNARELFYHRPGDIVETQNLLEIDDSWFNDENSEQFVQYVLNCTTCHVEYNHVEYAQNNIPTN   240
RLQTLRKLGKSRRKSGRKTSVDTMANKLIERREAMFADTFIKSLFNKIALSRKEHLSRNARELFYHRPGDIVETQNLLEIDDSWFNDENSEQFVQYVLNCTTCHVEYNHVEYAQNNIPTN   240
.......................................................................................................................   0
RLQTLRKLGKSRRKSGRKTSVDTMANKLIERREAMFADTFIKSLFNKIALSRKEHLSRNARELFYHRPGDIVETQNLLEIDDSWFNDENSEQFVQYVLNCTTCHVEYNHVEYAQNNIPTN   219
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CRFCQEAMESFHAAFRIRISIETYGVFLTIPLELIKTELDICEDWDSESNIVEEEEKVTRFKKNIQEKVRDASIVHIKGISSLLLIIMLNINSISLVNNITENKRILLQKSNVPSSLQLK   360
CRFCQEAMESFHAAFRIRISIETYGVFLTIPLELIKTELDICEDWDSESNIVEEEEKVTRFKKNIQEKVRDASIVHIKG...LVVFRSLELKSIDIH.......................   334
.......MESFHAAFRIRISIETYGVFLTIPLELIKTELDICEDWDSESNIVEEEEKVTRFKKNIQEKVRDASIVHIKGISSLLLIIMLNINSISLVNNITENKRILLQKSNVPSSLQLK   113
CRFCQEAMESFHAAFRIRISIETYGVFLTIPLELIKTELDICEDWDSESNIVEEEEKVTRFKKNIQEKVRDASIVHIKGISSLLLIIMLNINSISLVNNITENKRILLQKSNVPSSLQLK   339
*******!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!***!*****!***!!*************************

ILITPFVIVVVRFFGITWIYSGSSCIEEVLNLIDNCSRRR   400
.......LSEVVFYNINI......................   345
ILITPFVIVVVRFFGITWIYSGSSCIEEVLNLIDNCSRRR   153
ILITPFVIVVVRFFGITWIYSGSSCIEEVLNLIDNCSRRR   379
**********!*!**!************************
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X non conserved

X ≥ 50% conserved