```
gi|13775226|ref|NP_112592.1|     ----------MALLRKIN---------QVLLFLLIVTLCVILYKKVHKGTV------PKNDADDESETPE-------ELEEEIPVVICAAAGRMGATMAAINSIYSNTDA--NILFYVVGLRNTLTRIRKWIEH-SKLREIN--FKIVE   112
gi|114646628|ref|XP_001159068.1| ----------MALLRKIN---------QVLLFLLIVTLCVILYKKVHKGTV------PKNDADDESETPE-------ELDEEIPVVICAAAGRMGATMAAINSIYSNTDA--NILFYVVGLRNTLTRIRKWIEH-SKLREIN--FKIVE   112
gi|73978267|ref|XP_855069.1|     ----------MALLRKIN---------QVLLFLLIVTLCGILYKKVHRETA------LRNETDDDSEPPE-------EMEEEIPVVICAAAGRMGAAMAAINSIYSNTDA--NILFYVVGLRNTLSRIRKWIEH-SKLREIN--FKIVE   112
gi|114053197|ref|NP_001039731.1| ----------MALLRKIN---------QVLLFLLIVTLCGILYKKVHKGTM------LRNEADDDSETPE-------EMEDEIPVVICAAAGRMGAAMAAINSIYSNTDA--NILFYVVGLRNTLSRIRKWIEH-SKLREIN--FKIVE   112
gi|58037389|ref|NP_083378.1|     ---------MHMAFLRKVN---------QVLLLLLVLTLCGILYKKVHKGAV------LKDKADVDSESPE-------DMEEEIPVVICAAAGRMGAAMAAINSIYSNTDA--NLVFYVVGLRSTLPRIRKWIEH-SKLREIN--FKIVE   114
gi|109480411|ref|XP_345810.3|    ---------------------------------MAVAKPC-----------------RRRCADDDSESPE-------DVEEEIPVVICAAAGRMGAAMAAINSIYSNTDA--NIVFYVVGLRNTLSRIRQWIEH-SKLKEIN--FKIVE    87
gi|118082844|ref|XP_416320.2|    ------------------------------------------------------------------------------------------MSSASEE--QSLLPKANFR-------KWIEN-SKLKEIK--FKTVE    34
gi|90093332|ref|NP_001035020.1|  ----------MPLLRKIN---------RGLLILLVLVAFALLYNKTRLQTLPKYPVLKKEEADTGAKDEK-------EVETDVPVLICASEERIGASMTVINSVYSNSQA--RVFFYIVTLRDAIKKIREYIEK-TKLRNIR--YKILE   118
gi|115453101|ref|NP_001050151.1| MARCGSAIAAVAALLVLLG-------GHAAARIRVEH--SGM---VIRRPSSS-IPSFREAPAFRNGEECG--------GGGRVDVAMTLDANYLRGTMAGVLSILQHTACPESVSFHFLAAGMD---ADLAAAVRATFPYL--DLRVYR   124
gi|115473733|ref|NP_001060465.1| MAPPTAVSASTAGLIWSLSPSLSLVVTTSVALLLVLGGVSGIRVNVIRLPSASPFPAFREAPAFRNGDGCPPARGSAAAEGGRVDVAMTLDANYLRGTMAAVFSILQHTACPESVAFHFLAARSDPDAGDLAAAIRATFPYLGAAVSVYR   150
gi|15230679|ref|NP_187277.1|     MASRSLSYTQLLGLLSFIL----LLVTTTTMAVRVGV--------ILHKPSAPTLPVFREAPAFRNGDQCG------TREADQIHIAMTLDTNYLRGTMAAVLSLLQHSTCPENLSFHFLSLPHFEN--DLFTSIKSTFPYLN--FKIYQ   128
                                 1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

                                 *:*  ::.::   : *  * :***:.*.**.        :::***.*::* .*:. *    :   :... .. *.   :: :    .  :                 *    * **.**:* :: .*:    *:::*.**  :  . .:*
gi|13775226|ref|NP_112592.1|     FNPMVLKGKIRPDSSRPELLQPLNFVRFYLPLL-IHQHEKVIYLDDDVIVQGDIQELYDTTLALGHAAAFSDDCDLPSAQDINRLVGLQNTYMGYLDYRKKAIKDLGISPSTCSFNPGVIVANMTEWKHQRITKQLEKWMQKNVEENLYS   261
gi|114646628|ref|XP_001159068.1| FNPMVLKGKIRPDSSRPELLQPLNFVRFYLPLL-IHQHEKVIYLDDDVIVQGDIQELYDTTLALGHAAAFSDDCDLPSAQDINRLVGLQNTYMGYLDYRKKAIKDLGISPSTCSFNPGVIVANMTEWKHQRITKQLEKWMQKNVEENLYS   261
gi|73978267|ref|XP_855069.1|     FNPVVLKGKIRPDSSRPELLQPLNFVRFYLPLL-IHQHEKVIYLDDDVIVQGDIQELYDTTLALGHAAAFSDDCDLPSAQDMNRFVGLQNTYMGYLDYRKKAIKDLGISPSTCSFNPGVIVANMTEWKHQRITKQLEKWMQKNVEENLYS   261
gi|114053197|ref|NP_001039731.1| FNPVVLKGKIRPDSSRPELLQPLNFVRFYLPLL-IHQHEKVIYLDDDVIVQGDIQELYDTTLALGHAAAFSDDCDLPSSQDIHRLVGLQNTYMGYLDYRKKTIKDLGISPSTCSFNPGVIVANMTEWKHQRITKQLEKWMQKNVEENLYS   261
gi|58037389|ref|NP_083378.1|     FNPTVLKGKIRPDSSRPELLQPLNFVRFYLPLL-VHQHEKVIYLDDDVIVQGDIQELYDTTLALGHAAAFSDDCDLPSAQDIHRLVGLQNTYMGYLDYRKKTIKDLGISPSTCSFNPGVIVANMTEWKHQRVTKQLEKWMQKNVEENLYS   263
gi|109480411|ref|XP_345810.3|    FNPIVLKGKIRPDSSRPELLQPLNFVRFYLPLL-VHQHEKVIYLDDDVIVQGDIQELYDTTLALGHAAAFSDDCDLPSAQDIHRLVGLQNTYMGYLDYRKKSIKELGISPSTCSFNPGVIVANMTEWKHQRITKQLEKWMQKNVEENLYS   236
gi|118082844|ref|XP_416320.2|    FNPMVLKGKIRQDASRPELLQPLNFVRFYLPLL-IQKHEKVIYLDDDIIVQGDIQELYDTKLAPGHAAAFSDDCDLPSTHEMVRSVGMQNTYMGFLDYRKQAIRDLGISPSTCSFNPGVIVANMTEWKNQRLTKQLEKWMQRNVEENLYS   183
gi|90093332|ref|NP_001035020.1|  FNPMVLKGKVHPDSSRPELLHPLNFVRFYLPLLAIENHKRIVYLDDDVIVQGDIQELYNIKLKEGHAAAFASDCDLPDTHEMVRSVGMQTTYMGFLDYRKEEVRELGINPSECSFNPGVFVADVGEWQRQKITKQLEKWMAKNFRENLYS   268
gi|115453101|ref|NP_001050151.1| FDPSRVRGRIS-RSIRHALDQPLNYARIYLADTLPPDVRRVIYLDSDVVVVDDIRALASVDLGG-HVVGAPEYCHANFTNYFTDAFWSDPALNGTFA---------GRR--PCYFNTGVMVMDVGKWRAGGYTRRVERWMEVQKQTRIYH   261
gi|115473733|ref|NP_001060465.1| FDPSRVRGRIS-RSVRRALDQPLNYARVYLADTLPAGVRRVLYLDSDVVVVDDVRKLWSVDLAG-HVVAAPEYCHANFTKYFTDAFWSDGELSGAAFRR-------GRRRPPCYFNTGVMVMDMGRWRDGGYTRRVEEWMAVQKRRRIYH   291
gi|15230679|ref|NP_187277.1|     FDPNLVRSKIS-KSIRQALDQPLNYARIYLADIIPSSVDRIIYLDSDLVVVDDIEKLWHVEMEG-KVVAAPEYCHANFTHYFTRTFWSDPVLVKVLE---------GKR--PCYFNTGVMVVDVNKWRKGMYTQKVEEWMTIQKQKRIYH   265
                                 .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                   :.   : .*:*::: ..  :::  *: : **   . . :     .     .****.*: ***     :      .   . * . :
gi|13775226|ref|NP_112592.1|     SSLGGGVATSPMLIVFHGKYSTINPLWHIRHLG-WNPDARYSEHFLQEAKLLHWNGRHKPWDFPSVHNDLWESWFVPDPAGIFKLNHHS----   349
gi|114646628|ref|XP_001159068.1| SSLGGGVATSPMLIVFHGKYSTINPLWHIRHLG-WNPDARYSEHFLQEAKLLHWNGRHKPWDFPSVHNDLWESWFVPDPAGIFKLNHHS----   349
gi|73978267|ref|XP_855069.1|     SSLGGGVATSPMLIVFHGKYSAINPLWHIRHLG-WNPDTRYSEHFLQEAKLLHWNGRHKPWDFPSVHNDLWESWFVPDPAGIFKLHHHNS---   350
gi|114053197|ref|NP_001039731.1| SSLGGGVATSPMLIVFHGKYSTINPLWHIRHLG-WNPDTRYSEHFLQEAKLLHWNGRHKPWDFPSVHNDLWESWFVPDPAGIFKLHHPNS---   350
gi|58037389|ref|NP_083378.1|     SSLGGGVATSPMLIVFHGKYSTINPLWHIRHLG-WNPDARYSEHFLQEAKLLHWNGRHKPWDFPSVHNDLWESWFVPDPAGIFKLHHNR----   351
gi|109480411|ref|XP_345810.3|    SSLGGGVATSPMLIVFHGKYSTINPLWHIRHLG-WNPDARYSEHFLQEAKLLHWNGRHKPWDFPSVHNDLWESWFVPDPAGIFRLNHKR----   324
gi|118082844|ref|XP_416320.2|    STLGGGVATSPMLIVFHGKHSTINPMWHIRHLG-WSPDTRYSEHFLQEAKLLHWNGRYKPWDYPSVHTDLWENWFIPDPSGKFKLTRPDS---   272
gi|90093332|ref|NP_001035020.1|  SAVAGGVATPPMLIVFHDKFTTIDPLWHIRHLG-WSPDTRYPKTFLKKAKLLHWNGQFKPWDYPCVHLDLWEKWYIPDPTGKFTLVRPRLKNP   360
gi|115453101|ref|NP_001050151.1| --LG---SLPPFLLVLAGDIQAVDHRWNQHGLGGDNVKGRCRGLHPGPISLLHWSGKGKPWIRLDARRPCAVDYLWA-PYDLFRPSSPVLEE-   347
gi|115473733|ref|NP_001060465.1| --LG---SLPPFLLVLAGDIKAVDHRWNQHGLGGDNAEGKCRSLHPGPVSLLHWSGKGKPWLRLDSRKPCAVDYLWA-PYDLYKAAVPALEE-   377
gi|15230679|ref|NP_187277.1|     --LG---SLPPFLLIFAGDIKAVNHRWNQHGLGGDNFEGRCRTLHPGPISLLHWSGKGKPWLRLDSRKPCIVDHLWA-PYDLYRSSRHSLEE-   351
                                 .......310.......320.......330.......340.......350.......360.......370.......380.......390...
```