```
gi|182765442|ref|NP_061824.3|     ------------------------------------------------------------------------------------------------------------------------------------------------------  150
gi|73976531|ref|XP_854157.1|      MDFDERGPCSSNMYLPSCTYYVSGPDFSSLPSFLPQTPSSRPMTYSYSSNLPQVQPVREVTFREYAIEPATKWHPRGNLAHCYSAEELVHRDCLQAPSAAGVPGDVLAKSSANVYHHPTPAVSSNFYSTVGRNGVLPQAFDQFFETAYGA  150
gi|6680243|ref|NP_032289.1|       ------------------------------------------------------------------------------------------------------------------------------------------------------  150
gi|109472062|ref|XP_347221.2|     MDFDERGPCSSNMYLPSCTYYVSGPDFSSLPSFLPQTPSSRPMTYSYSSNLPQVQPVREVTFREYAIEPATKWHPRGNLAHCYSAEELVHRDCLQAPSAAGVPGDVLAKSSANVYHHPTPAVSSNFYSTVGRNGVLPQAFDQFFETAYGT  150
gi|118085980|ref|XP_001235693.1|  ------------------------------------------------------------------------------------------------------------------------------------------------------  150
gi|66347927|ref|NP_571230.1|      ------------------------------------------------------------------------------------------------------------------------------------------------------  150
                                  1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

gi|182765442|ref|NP_061824.3|     ------------------------------------------------------------------------------------------------------------------------------------------------------  300
gi|73976531|ref|XP_854157.1|      PENLASSDYPGDKSADKGPPAAAATSAAAAAAAHP-------------------------------CPAGDQDGPLALVVLRQGGQRTRKKRCPYTKYQIRELEREFFFSVYINKEKRLQLSRMLNLTDRVGESFSQGYQLLSPPPPP  300
gi|6680243|ref|NP_032289.1|       ------------------------------------------------------------------------------------------------------------------------------------------------------  300
gi|109472062|ref|XP_347221.2|     PENLASSDYPGDKNAEKGPPTAAATSAAAVAAAATGAPATSSSDGGGGGGCQEAAAEEKERRRRPESSSSPESSSGHTEDKAGGSGGQRTRKKRCPYTKYQIRELEREFFFSVYINKEKRLQLSRMLNLTDRQVKIWFQ----------  300
gi|118085980|ref|XP_001235693.1|  ------------------------------------------------------------------------------------------------------------------------------------------------------  300
gi|66347927|ref|NP_571230.1|      ------------------------------------------------------------------------------------------------------------------------------------------------------  300
                                  .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
gi|182765442|ref|NP_061824.3|     ------------------------MSARKGYLLPSPNYPTTMSCSESPAANSFLVDSLISSGRGEAGGGGGGAGGGGGGGYYAHGGVYLPPAADLPYGLQSCGLFPTLGGKRNEAASPGSGGGGG--GLGPGAHGYGPSPIDLWLDAPR  450
gi|73976531|ref|XP_854157.1|      PPPPPPARFSSPGSTDRSCRESKPEMSARKGYLLPSPNYPTTMSCSESPAANSFLVDSLISSGRGEAGGGGSGAGGGGGGGYYAHGGVYLPPAADLPYGLQSCGLFPALGGKRNEAASPGGGGGSG--GLGPGAHGYAPAPIDLWLDAPR  450
gi|6680243|ref|NP_032289.1|       ----------------------------------------MSCSESPAANSFLVDSLISSGRGEAGVGG-GSAGGGGGGYYAHGGVYLPPASDLPYGLQSCGLFPALGSKRNEAPSPGGGGGGGSGGLGPGTHGYAPAPLDLWLDAPR  450
gi|109472062|ref|XP_347221.2|     ----NRRMKEKKINRDRLQYYSANQMSARKGYLLPSPNYPTTMSCSESPAANSFLVDSLISSGRGEAGGGG-GSAGGGGGGYYAHGGVYLPPASDLPYGLQSCGLFPALGNKRNEAPSPGGGGGGGGGGLGPGAHGYAPAPLDLWLDAPR  450
gi|118085980|ref|XP_001235693.1|  ----------------------------------------MSCSESPAANSFLVDSLISAGRGDAAAAG--GGGGGGGGYYPGSGLYLPQASELSYGLQGCGLFPVLG-KRNEGTSQS---------MVPSTHPYVSG-MEVWLDPPR  450
gi|66347927|ref|NP_571230.1|      ----------------------------------------MSCSDSPSGNSFLVDSLIH-GRSE-----------GSGHYYQNSGVYLQPTSEYSYGLSNCGYFSGLK--RNESNSQN---------VVPTCGPYQG--METWLETSR  450
                                  .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400.......410.......420.......430.......440.......450

                                  ***:* *:                          * *. **: .****.*****: ::**** :  : ::: :.*   ..: .. .  ..* ************:  *:**:   .          .   . .*  . * *:  .    ..   .:*.
gi|182765442|ref|NP_061824.3|     SCRMEPPDGPPPPP-QQQ------PPPPPQPPQPAPQATSCSFAQNIKEESSYCLYDSADKCPKVSATAAELAPFPRGPPPDGCALGTSSG-VPVPGYFRLSQAYGTAKGYGSGGGGAQQLGAGPFPAQPPGRGFDLPPALASGSADAAR  600
gi|73976531|ref|XP_854157.1|      SCRMEPPEGPPPPPPQQQ------PPPPPQPPQPPPQATSCSFAQNIKEESSYCLYDSADKCPKGSTATAELAPFPRGPPPDGCALSTSSG-VPVPGYFRLSQAYGTAKGYGSGGG-AQQLGAGPFPAQPPGRGFDPPPALASGSADAAR  600
gi|6680243|ref|NP_032289.1|       SCRMEPPDGPPPPQPQPQQQQQQPPPPPPQPPQPQPQATSCSFAQNIKEESSYCLYDAADKCPKGS-AAADLAPFPRGPPPDGCALGASSG-VPVPGYFRLSQAYGTAKGFGSGGGGTEQLAS-PFPAQPPGRGFDPPPALASGSTEAAG  600
gi|109472062|ref|XP_347221.2|     SCRMEPPDGPPPPQPQPQQQQQQ-PPPPPPQPPQPPPQATSCSFAQNIKEESSYCLYDSADKCPKGS-AAADLAPFPRGPPPDGCALGASSG-VPVPGYFRLSQAYGTAKGFGSGG--TQQLAS-PFPAQPPGRGFDPPSALASGSAEAAG  600
gi|118085980|ref|XP_001235693.1|  SCRMEEPE-------------------------SQQATSCSFAQNIKEESSYCLYD-SEKCPKGS-AAADLAPFPR-LSAEVSPSANGTG-VPVPGYFRLSQAYGTSKGYGAGP-----AGTAPFAPQPPGR-FQPPPSGPP-VPEAGR  600
gi|66347927|ref|NP_571230.1|      SCRIEQPN--------------------------SQITPRSFSPTIKEENSYCLYE-SEKCPKET-ITEDIS-YSR-LTPNSCPSSNNNGCVPVPGYFRLSQTCTTSKGFTDNQT-----IPTHVVAQRSTR-FDSS--LSAIAAEASR  600
                                  .......460.......470.......480.......490.......500.......510.......520.......530.......540.......550.......560.......570.......580.......590.......600

                                   *    . .*.   *          :.* :.*:.:*.  ** *.:..: :      *.**.*.:*******************************************.**********************.********:***.**
gi|182765442|ref|NP_061824.3|     KERALDSPPPPTLACGSGGG---SQGDEEAHASSSAAEELSPAPSESSKASPEKDSLGNSKGENAANWLTAKSGRKKRCPYTKHQTLELEKEFLFNMYLTRERRLEISRSVHLTDRQVKIWFQNRRMKLKKMNRENRIRELTANFNFS  748
gi|73976531|ref|XP_854157.1|      KERALDSPPPPTLTCGGGGGGRGSQGDEEAHASSSAAEELSPAPSESSKASPEKDSLGNSKGENAANWLTAKSGRKKRCPYTKHQTLELEKEFLFNMYLTRERRLEISRSVHLTDRQVKIWFQNRRMKLKKMNRENRIRELTANFNFS  748
gi|6680243|ref|NP_032289.1|       KERVLDSTPPPTLVCTGGGG---SQGDEEAHASSSAAEELSPAPSENSKASPEKDSLGSSKGENAANWLTAKSGRKKRCPYTKHQTLELEKEFLFNMYLTRERRLEISRSVHLTDRQVKIWFQNRRMKLKKMNRENRIRELTANFNFS  748
gi|109472062|ref|XP_347221.2|     KERVLDSTPPPTLVCAGGGS---SQADEEAHASSSAAEELSPAPSENSKASPEKDSLGNSKSENAANWLTAKSGRKKRCPYTKHQTLELEKEFLFNMYLTRERRLEISRSVHLTDRQVKIWFQNRRMKLKKMNRENRIRELTANFNFS  748
gi|118085980|ref|XP_001235693.1|  REDEERSPSPS--ACG-------SQREDETRASSSTAEELSPAPSEGSKASPEKEPVGNSKGENAANWLTAKSGRKKRCPYTKHQTLELEKEFLFNMYLTRERRLEISRTVHLTDRQVKIWFQNRRMKLKKMNRENRIRELTANFNFS  748
gi|66347927|ref|NP_571230.1|      DE---SDEPPTCAPCAPG-------RNKELRGSTGTAS--SPEPPDSPEKAVTVTKAGDSKSESTANWLTAKSGRKKRCPYTKHQTLELEKEFLFNMYLTRERRLEISRSVHLTDRQVKIWFQNRRMKLKKMSRENRIRELSANFSFS  748
                                  .......610.......620.......630.......640.......650.......660.......670.......680.......690.......700.......710.......720.......730.......740.......
```