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Oct.bim.    1 ------------------------------DPGWVLLLLTSPMFLIATLAILANDSGASSDRRSDLPSATSLAASRN
Oct.vul.    1 MKHADKTQVLLLENLRIISEHRRRSIAENLTYRNARTERNPYRRASVAVPSWSSGQFLSGASSDRRSDLPSATSLAASRN
Sepia       1 MKHADKSHIMLLENLRIISEHRRRSIAENIIYSEEKNFR--RRASVAVPSWSSGPFLSGAGSDRGSDLTSATSLAASRN
Squid       1 -----------------------------------------------------MFYHSSGAGSDRGSDLTSATSLAASRN


Oct.bim.   48 ASLRHQQQQHPTSIGIRKRDPTSSANTAASDHHHHFPHHHSHHHHHRQHPPPLLSSTSTTAGDPTTATSGSFRAKQSGRS
Oct.vul.   81 ASLRHQQQQHPTSIGIRKRDPTSSANTAASDHHHHFPHHHSHHHHHQHPPPLLSSTSTTAGDPTTATSGSFRAKQSGRS
Sepia      78 ASLRHQQQQHPSSVGIRKRDATLSANTSASDHHHHFPHHHPHHHHHQHPPPLLSSTTTTSTRDPASATSGSVRKQSGRS
Squid      28 ASLRHQQQQHPSSVGIRKRDPSLSANTSASDHHHHFPHHHPHHHHHQHPPPLLSSTTTTSTRDPASATSGSVRKQSGRS


Oct.bim.  128 EVKIADPVVTCGVSGS--LQLAASPAVVQPPGSIIPAGNNNLPLQGGGGGVGGGGVGSGSVVGVGVGDMSSALQRPFYAT
Oct.vul.  161 EVKIADPVVTSGVSGS--LQLAASPAVVQPPGSIIPAGNNNLPIQGGGRGVGGGSVGSGGVVGVGVGDMSSALQRPFYAT
Sepia     157 EVKIAPNPIVSSGGGGGSIQLAASPAVVQPTGSIIAGGNNNLPLQGGDGGGGSGGIGGGSVVGVGVGDMSSALQRPFYAA
Squid     107 EVKIAPSPIVSSGGGG-SIQLAASPAVVQPTGSIIAGGNNNLPLQGGGGGGGGGGTGGGSVVGVGVGDMSSALQRPFYAA


Oct.bim.  206 SSIGSPPDPASILRSREVSKRVILNVGGVKHEVLWRTLDRMPHTRLGKLRDCNTHDAIVDLCDDYSLAENEYFFDRHPRS
Oct.vul.  239 SSIGSPPDPASILRSREVSKRVILNVGGVKHEVLWRTLDRMPHTRLGKLRDCNTHDAIVDLCDDYSLAENEYFFDRHPRS
Sepia     237 SSIGSPPDPASILRSREVSKRVILNVGGVKHEVLWRTLDRMPHTRLGKLKDCNTHDAIVDLCDDYSLAENEYFFDRHPRS
Squid     186 SSIGSPPDPASILRSREVSKRVILNVGGVKHEVLWRTLDRMPHTRLGKLKDCNTHDAIVDLCDDYSLAENEYFFDRHPRS


Oct.bim.  286 FASILNFYRTGKLHLVEEMCVLAFSEDLEYWGVDELYLESCCQHKYHQKKEHVFEEIRKEAESLRKGEDEDFGTGSFAKW
Oct.vul.  319 FASILNFYRTGKLHLVEEMCVLAFSEDLEYWGVDELYLESCCQHKYHQKKEHVFEEIRKEAESLRKGEDEDFGTGSFAKW
Sepia     317 FASILNFYRTGKLHLVEEMCVLAFSEDLEYWGVDELYLESCCQHKYHQKKEHVFEEIRKEAESLRKGEDEDFGTGSFAKW
Squid     266 FASILNFYRTGKLHLVEEMCVLAFSEDLEYWGVDELYLESCCQHKYHQKKEHVFEEIRKEAESLRKGEDEDFGTGSFAKW


Oct.bim.  366 RQRVWDLLEKPTTSMAARVLAIVSILFIVLSTVALTLNTIPGLKGEGEQEGADNPQLAIVEAVCIGWFTLEYLGRFWASE
Oct.vul.  399 RQRVWDLLEKPTTSMAARVLAIVSILFIVLSTVALTLNTIPGLKGEGEQEGADNPQLAIVEAVCIGWFTLEYLGRFWASE
Sepia     397 RQRVWDLLEKPTTSMAARVLAIVSILFIVLSTVALTLNTIPGLKGEGEHEGADNPQLAIVEAVCIGWFTLEYLGRFWASE
Squid     346 RQRVWDLLEKPTTSMAARVLAIVSILFIVLSTVALTLNTIPGLKGEGEHEGADNPQLAIVEAVCIGWFTLEYLGRFWASE


Oct.bim.  446 NKWKFFKGPLNIIDLLAIMPYFISLGLTETNKSTTEQFQNVRRVVQIFRIMRILRILKLARHSTGLQSLGYTLQRSYKEL
Oct.vul.  479 NKWKFFKGPLNIIDLLAIMPYFISLGLTETNKSTTEQFQNVRRVVQIFRIMRILRILKLARHSTGLQSLGYTLQRSYKEL
Sepia     477 NKWKFFKGPLNIIDLLAILPYFISLGLTETNKSTTEQFQNVRRVVQVFRIMRILRILKLARHSTGLQSLGYTLQRSYKEL
Squid     426 NKWKFFKGPLNIIDLLAILPYFISLGLTETNKSTTEQFQNVRRVVQIFRIMRILRILKLARHSTGLQSLGYTLQRSYKEL


Oct.bim.  526 GLLMMFLAIGILLFSSLAYFAEKDEPGTKYVSIPETFWWAAITMTTVGYGDIYPTTILGKVVGGVCCICGVLVIALPIPI
Oct.vul.  559 GLLMMFLAIGILLFSSLAYFAEKDEPGTKYVSIPETFWWAAITMTTVGYGDIYPTTILGKVVGGVCCICGVLVIALPIPI
Sepia     557 GLLMMFLAIGILLFSSLAYFAEKDEPGTKYVSIPETFWWAAITMTTVGYGDIYPTTILGKVVGSVCCICGVLVIALPIPI
Squid     506 GLLMMFLAIGILLFSSLAYFAEKDEPGTKYVSIPETFWWAAITMTTVGYGDICPTTILGKVVGSVCCICGVLVIALPIPI


Oct.bim.  606 IVNNFAEFYKDQMRREKALKRKEALERAKRNGSIVSFHSVNLRDAFAKSVDLMDVASEVPRNDWDTNSVETKSMSSPPPC
Oct.vul.  639 IVNNFAEFYKDQMRREKALKRKEALERAKRNGSIVSFHSVNLRDAFAKSVDLMDVASEVPRNDWDTNSVETKSMSSPPPC
Sepia     637 IVNNFAEFYKDQMRREKALKRKEALERAKRNGSIVSFHSVNLRDAFAKSVDLMDVASEVPRNEWDTNSVETKSMSSPPPC
Squid     586 IVNNFAEFYKDQMRREKALKRKEALERAKRNGSIVSFHSVNLRDAFAKSVDLMDVASEVPRNDWDTNSVETKSMSSPPPC


Oct.bim.  686 VMRGSNPNTPKLSGQGGTTNFNCKENQENPSNTNLLDIDEESLHRMTTQAS-TDTSMQNKFEFPSDPINGMDSDNKGCIE
Oct.vul.  719 VMRGSNPNTPKLSGQGGTTNFNCKENQENPSNTNLLDIDEESLHRMTTQAS-TDTSMQNKFEFPSDPINGMDSDNKGCIE
Sepia     717 VMRGSNPNTPKLSGQGGTANFDCKENQENPSNTNLLDIDEESLHRMTTQASNEPSLQNQFEFPSDAMTDLDCDNKGCIE
Squid     666 VMRGSNPNTPKLSGQGGTPNFDCKENQENPSNTNLLDIDEESLHRMTTQASNEPSLQNQFEFPSDAMTDLDCDNKGCIE


Oct.bim.  765 MKTLPRQESTASTDTYASCFTHPQSSPSITGRSTDPANQANICVNPLEEPSYQSQLPSYEAVMQCDFANNTSN--SDVTN
Oct.vul.  798 MKTLPRQESTASTDTYASCFTHPQSSPSITGRSTDPANQANICVNPLEEPSYQSQLPSYEAVMQCDFANNTSN--SDVTN
Sepia     797 MKTLPRQESTASTDTYASCFTHPQSSPSITGRPNDAPNQANICVNPLEEPSYHGQLPSYEAVMQCDFINSSANQENANIN
Squid     746 MKTLPRQESTASTDTYASCFTHPQSSPSITGRPNDASNQANICVNPLEEPSYQGQLPSYESVIQSDFINCPSNHENGNIN


Oct.bim.  843 YQKAPPLGSAICQSFSGNVNQPSDQIIQKIDDGLTATWQRNVLISSGTTPSSSVGDVRAQTKIGSHSGGAPSTTKTALKR
Oct.vul.  876 YQKAPPLGSAICQSFSGNVNQPSDQIIQKIDDGLTATWQRNVLISSGTTPSSSVGDVRAQTKIGSHSGGAPSTTKTALKR
Sepia     877 YQKAPPLGSAVCQSFNGSVNRPSDQIVQKIEDGLTATWQRNVLVSSGTTPSSSVGDVRQQTRVGSHSGGAATMTKTALKR
Squid     826 YQKAPPLGRAVCQSFSGSVNRPSDQIVQKIEDGLTATWQRNVLVSSGTTPSSSVGDVRQQAKVGSHSGGATTMTKTALKR


Oct.bim.  923 YKSLSGEKHPRFADSQIERTYSSTDNLHRYSRPKLKFRKTSSLSSRLHASPATGKKLANYHLIAHSKSAFTLNSTDNKCL
Oct.vul.  956 YKSLSGEKHPRFADSQIERTYSSTDNLHRYSRPKLKFRKTSSLSSRLHASPATGKKLANYHLIAHSKSAFTLNSTDNKCL
Sepia     957 YKSLSGEKHPRFADPQIERTYSSTDNLHRYSKPKLKFRKASSLSSRLHASPATGKKLANYHLIAHSKSDASKGTRGHSMD
Squid     906 YKSLSGEKHPRFADPQIERTYSSTDNLHRYSKPKLKFRKASSLSSRLHASPATGKKLANYHLIAHSKSDSSKGTRGHSMD


Oct.bim. 1003 NV-----------------------------------------------
Oct.vul. 1036 NV-----------------------------------------------
Sepia    1037 LCRPRSYRLGIRRNTISNRVENAWNSQAEDMTKPKTTPPPIPIQSSLLH
Squid     986 LCRPRSYRLGIRRNTISNRVENAWNSQAEDMTKPKTIPPPIPIQSSLLH
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