

hsap_caspi12 MADEKPSNGVLVHMVKLLIKTFLDGIFDDLMENNVLNTDEIHLIGKCLKFVVSNAENL
 bacu_caspi12 --EKRPKPKEDLVNMVKLLMARNVLDGIFDDLMENKVLTRGELQRLGEEVDHIVNRTGDL
 bmys_caspi12 --EKRPKPKEDLVNMVKLLMARNVLDGIFDDLMENKVLTRGELQRLGEEVDHIVNRTGDL
 mmon_caspi12 ---VNVVKLLMSRNVLDGIFDDLMENKVLNRGELQRLGEEVDHIVNRTGDL
 dleu_caspi12 ---VNMVKLLSRNVLDGIFDDLMENKVLNRGELQRLGEEVDHIVNRTGDL
 ttru_caspi12 --EETTRRRSRMFNMVKLLSRNVLDGIFDD*WKIKC*IGVSYKD*GKKWTTT*KGLETW
 oorc_caspi12 ---VNMVKLLSRNVLDGIFDD*WKIKC*IGVSYKD*GKKWTTT*KGLETW
 pmac_caspi12 ---VNMVKLLMASNVLDGILMI*WKI*IC*IGVSYKD*GKKWTTT*TEVETW

hsap_caspi12 VDDITETAQIAGKIFREHLWNSKKQL-SSDISSDGEREANMPGLNIRNKEFNYLHNRRN
 bacu_caspi12 VDDLTEKTQMAKGIFKDRFFNPKKQL-SLNISSSDGE*RLDTPGPHHLQQRIL*LSF*SI
 bmys_caspi12 VDDLTEKTQMAKGIFKDRFFNPKKQL-SLNISSSDGE*RPDTPGPHHLQQRIL*LSF*SI
 mmon_caspi12 VDDLIEKMQMAKGIFKDHFFNPKKQL--SLISSDGE*SLDMPGPHHLQQRIL*LSF*SI
 dleu_caspi12 VDDLIEKMQMAKGIFKDHFFNPKKQL-IAFISSDGE*SLDMPGPHHLQQRIL*LSF*SI
 ttru_caspi12 FMISLRLKCKWQAKYLRTISSTPRNN*-V--LSSNGE*SLDMPGPHHLQQRIL*LSF*SI
 oorc_caspi12 FMISLRLKCKWQAKYLRTISSTPRNN*-IAFISSNGE*SLDMPGPHHLQQRIL*LSF*SI
 pmac_caspi12 LMISLRLKRWQAKYLRTVSSTPRNN*A*LNISSDGE*RLDMPGPHHLQQRIL*LSF*SI

hsap_caspi12 GSELDLLGMDLLENLGYSVVIEKENLTAQEMETALRQFAAHPEHQSSDSTFLVFMSSH
 bacu_caspi12 WFG*G*PFGNARFA*KPWILSGCKRGSHSIQEMETALRQFAARQEHQSSDSTFLVFMSSH
 bmys_caspi12 WFG*G*PFGNARFA*KPWILSGCKRGSHSIQEMETALRQFAARQEHQSSDSTFLVFMSSH
 mmon_caspi12 WFG*G*PLGNARFA*KPWILSGCKRGSHSIQEMETALRQFAACQDQSSDSTFLVFMSSH
 dleu_caspi12 WFG*G*PLGNARFA*KPWILSGCKRGSHSIQEMETALRQFAACQDQSSDSTFLVFMSSH
 ttru_caspi12 WFG*G*PFGNARFA*KPWILSGCKRGSHSIQEMETALRQFAARQDQSSDSTFLVFMSSH
 oorc_caspi12 WFG*G*PFGNARFA*KPWILSGCKRGSHSIQEMETALRQFAARQDQSSDSTFLVFMSSH
 pmac_caspi12 WFG*G*PFGNARFA*KPWILSGCKRGSHSIQEMETVLGQFAAHQEHQSSDSTSLVFMSSH

hsap_caspi12 ILNGICGTHKWDQEPDVLHDDDTIFEIFNRRNCQSLKDKPKVIMQACRGNAGIVWFT
 bacu_caspi12 IMDGICGTHKREKGPDIILRDDTIFQIFNSRNCQSLKDKPKVIMQAC*GKGAGVWVVT
 bmys_caspi12 IMDGICGTHKTEKDPDILLRDDTIFQIFNSRNCQSLKDKPKVIMQXCG*GKGAGVWVVT
 mmon_caspi12 TLDGICGT-----DPDILLRDDTIFQIFNSCNCQSLKDKPKVIMQAC*GKGAGVFWVT
 dleu_caspi12 TLDGICGT-----DPDILLRDDTIFQIFNSCNCQSLKDKPKVIMQAC*GKGAGVFWVT
 ttru_caspi12 TLDGICGT-----DPDILLRDDTIFQIFNSCNCQSLKDKPKVIMQACRKGAGIFWVT
 oorc_caspi12 TLDGICGT-----DPDILLRDDTIFQIFNSCNCQSLKDKPKVIMQACRKGAGIFWVT
 pmac_caspi12 IMDGICGT-----DPDILHDDDTIFQIFNSRNCQSLKDKPKVIMQAC*GKGAGV*VT

hsap_caspi12 TDSGKASADTHGRLLQGNICNDADVTKAHVEKDFIAFKSSTPHNVSWRHE TNGSVFISQ
 bacu_caspi12 -DMGEASAYRYGQFLQCSIWNDAITKSHVEKDFIAFKSSTPHNVSWILYTNGSLFISQ
 bmys_caspi12 -DMGEASAYRYDQFLQCSIWNDAITKSHVEKDFIAFKSSTPHNVSWILYTNXSLFISQ
 mmon_caspi12 -DMREASAYRYDQFLQCSIWNDAITNSHVEKDFIAFKSLTPCNVSWILD TNGSLFISQ
 dleu_caspi12 -DMREASAYRYDQFLQCSIWNDAITNSHVEKDFIAFKSLTPCNVSWILD TNGSLFISQ
 ttru_caspi12 -DMREASAYRYDQFLQCSIWNDAITNGHVEKDFIAFKSLTPCNVSWILD TNGSLFISQ
 oorc_caspi12 -DMREASAYRYDQFLQCSIWNDAITNGHVEKDFIAFKSLTPCNVSWILD TNGSLFISQ
 pmac_caspi12 -DMGEASAYRYDQFLQCSIWTDVITKSHVEKDFIAFKSSTPCNVSWILD TNGSLFISQ

hsap_caspi12 LIYYFR EYSWSHHLEEIFQKVQHSFETPNILTQLPTIERLSMTRYFYFLFPGN*
 bacu_caspi12 LIYYFNEYSWCYHLEEIF*KVQHSFETPNVLTQMPTIERLSMIRIFYFLSLGN*
 bmys_caspi12 LIYYFNE*SWCYHLEEIFRQKVQHSFETPNVLTQMPTIERLSMIRIFYFLFPGN*
 mmon_caspi12 LIYYFNEYSWCYQLEEIFRQKVQHTFETPNVLTQMPTIERLSMTQIFYFLFPGN*
 dleu_caspi12 LIYYFNEYSWCYQLEEIFRQKVQHTFETPNVLTQMPTIERLSMTQIFYFLFPGN*
 ttru_caspi12 LIYYFNEYSWCYQLEEIFRQKVQHTFETPNVLTQMPTIERLSMTRYFYFLFPGN*
 oorc_caspi12 LIYYFNEYSWCYQLEEIFRQKVQHTFETPNVLTQMPTIERLSMTRYFYFLFPGN*
 pmac_caspi12 LIYYFNKYSWCYHLEEIF*KVQHTFETPNV*PRCPRLKDYP*HDISTSSLGI-