```
                                                480                                     500                                     514
hsap_f12   LALLRLQEDADGSCALLSPYVQPVCLPSGAARPS--ETTLCQVAGWGHQFEGAEEYAS
bacu_f12   LALVRLQESAEGCCAHPLSFVQPVCLPNTAARPAESEPALCEVAGWGHQLEGSGEYSS
bmys_f12   LALVRLQESAEGCCAHPLPFVQPVCLPNSAARPAESEAALCEVAGWGHQWS--GEYSS
mmon_f12   LALVRLQESAEGCCAHPSPFVQPVCLPSSAALPAESEAALCEVAGWGHQLEGSG*YSS
dleu_f12   LALVRLQESAEGCCAHPSPFVQPVCLPSSAALPAESEAALCEVAGWGHQLEGSG*YSS
ttru_f12   LALVRLQESAEGCCAHPSPFVQPVCLPSSAALPAESEAALCEVAGWGHQLEGPG*YSS
oorc_f12   LALVRLQESAEGCCAHPSPFVQPVCLPSSAALPAESEAALCEVAGWGHQLEGPG*YSS
pmac_f12   LALVRLQESAEGCCAHPSPFFQPVCLPSSAARPAESEAALCEVAGWGHQLEGSGEYSS
                 521                                 540
hsap_f12   FLQEAQVPFLSLERCSAPDVHGSSI----------------LPGMLCAGFLEGGTDAC
bacu_f12   FLQ*KEEAALRCHSSV----RSAAPPPTCTE--------PPPPPGMLRAGFLLTRVSPT
bmys_f12   FLQ*KEEAALRCRSSV----RSAAPPPTCTE--------PPSPPGMLCAGFLEGGTDAC
mmon_f12   FLQ*TQVPLIRPERCSAPDVHGAAFIPRHALRWLPRGWH*RVPGQTPSQGR*AACPPT
dleu_f12   FLQ*TQVPLIRPERCSAPDVHGAAFIPRHALRWLPRGWH*RVPVQTPSQGR*AACPPT
ttru_f12   FLQ*TQVPLIHPERCSAPDVHGAAFIPRHALRWLPRGWH*RVPG--------------
oorc_f12   FLQ*TQVPLIHPERCSAPDVHGAAFIPRHALRWLPRGWH*RVPG--------------
pmac_f12   FLQ*TQVPLIRPERCSAPDVHGAAFIPRHALCWLPRGWH*RVPG--------------
           560                                 580                                     600
hsap_f12   QGDSGGPLVCEDQAAERRLTLQGIISWGSGCGDRNKPGVYTDVAYYLAWIREHTVS*
bacu_f12   QGDSRGPLVCEDETAELQFTLRGIFSWGSGCGDRHKPGVYTDVANYLAWIREHTAS*
bmys_f12   QGDSRGPLVCEDETAELQLILRGIVSWGSGCGDRHKPGVYTDVANYLAWIGEHTAS*
mmon_f12   QGNSRGPLVCEDETAGRQLILRGIVSWGSGCGDHPMPGVYTDVANYLAWIREHTAS*
dleu_f12   QGNSRGPLVCEDETAERQLILRGIVSWGSGCGDHPMPGVYTDVANYLAWIREHTAS*
ttru_f12   --NSRGPLVCEDETAERQLILRGIVSWGSGCGDHHMPGVYTDVANYLAWIREHTAS*
oorc_f12   --NSRGPLVCEDETAERQLILRGIVSWGSGCGDHHMPGVYTDVANYLAWIREHTAS*
pmac_f12   --NSRGPLVCEDETAERQLILRGIVSWGSGCGDRHMLGVYTDMANYLAWIREHTAS*
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