

```

gi |114326250|ref|NP_001041531.1|-----MS---HVKPKG---EDIVDARQSDAKQSSVVDPCVVQMDAKSHSDDNV-----DYOYKLNYPNLGQCLT 150
gi |18858385|ref|NP_571952.1|-----MNGS---CVDAKR---VDTTAS---KDGASASQP---MQVDAKPOSH-----AFRYSLSNYPNIGHCII 150
gi |15718698|ref|NP_203124.1|-----MDCVGVPPGR--KWHLEKNTSCGSSSGICAS-----YVTOMADDOGCIERQG-VEDSANEDSVDAKPRSSFPVSLFSKSKKNVIMRSIKITRD-----RVPTIYQYNNMFEKLGKCI 150
gi |114632892|ref|XP_508043.2|-----MDCVGVPPGR--KWHLEKNTSCGSSSGICAS-----YVTOMADDOGCIERQG-VEDSANEDSVDAKPRSSFPVSLFSKSKKNVIMRSIKITRD-----RVPTIYQYNNMFEKLGKCI 150
gi |73998856|ref|XP_544026.2|MLTSWAPPLKLDSEFPPEVLTCALGHNVFCQVDAFLFSDSENIPGYQCSGLFFSFQADDDCGMEQA-AGDSESPDAVDARPRSSFPVSLFSRKKKNDGSRSIKTAQD-----QVPTIYQYNNMFEKVGKCI 150
gi |194679008|ref|XP_604643.3|-----MADDOGHIVEQG-AEDPANNDTVDAKPRSSFPVSLFSKSKKNVIMRSIKITRD-----RVPTIYQYNNMFEKVGKCI 150
gi |6680850|ref|NP_031637.1|-----MTDDDCAAELE-KVDSSSEEDGVDAKPRSSIIISILLKKRNASAGPVRTGRD-----RVPTIYLRMDFKQMGKCI 150
gi |11560075|ref|NP_071596.1|-----MTDDDCAAELE-MADSTEDGVDAKPRSSIIISILLKKRNASMCPVSTTRD-----RVPTIYLRMDFKMGKCI 150
gi |118093046|ref|XP_421764.2|-----MALSTRQNSNGQ-----ACIMSGDOHADRSSGEKSNQDQDDTVDAKPRSSRRLS-LFAKSKKNGEEQPKSLSLQ-----YRIVTPIFOYNNMFKVVGKCI 150
gi |24651143|ref|NP_524551.2|-----MDATNNGESADQ-VGIRVGNPEQPNDDHTDALGVSVGGAGSSGLVAGSSHPYSGAIGQLANGYSSPSSSYRKNVAKMVDRAHAAEYNNMRHRNGMALT 150
gi |17352459|ref|NP_476974.1|-----MTDECVTIRNYGIRSPNGSENRSFTIMADNDAKGCTPESLVVG-----GATAASPLPAN-----KPVARMPVERNASAYNSHKHRGVALL 150
gi |58389115|ref|XP_316795.2|-----MSMPDVIDIRNEINKHEHVESLDRNGDQQQLVQDVNDALG-----TRKGHDPTN-----HLVRAAMPVERNACVYNNMHRKRLALL 150
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

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gi |114326250|ref|NP_001041531.1|INNNKFNHRRITGMGVRNGTDRKDAKKVFETFSQLGFEMKPYNDLTVSQMALLTKASEEDHSHKSAFACVLLSHGDDGLIYGTDDSIELKRLFAHFRGDRCTSLVKGPKLFFIACRGTDLDSGIECDGVGD-----EETQRIPVEADF 300
gi |18858385|ref|NP_571952.1|INNNKFNDRRTGMNPRNGTDRVDAGNVMNVRKLGIVKVVYNDQTVQAIQMVLTVAHDDHSRCAISLVCVLLSHGDEGVFFGTDTSDVLKSLISLFRGDRCPSSLVKGPKLFFIACRGTDLDPGVEIDHTDHPD-----IPDGRERIPVEADF 300
gi |15718698|ref|NP_203124.1|INNNKFNDRVTGMGVRNGTDRKDAEALFKCFRSLGFDVIVYNDSCSAKMODLLKKAEEEDHTNAACFACILLSHGSEENVIYKGDVTPIKDLTAHFRGDRCKLLEKPKLFFIACRGTDLDDGIQADSGPIND-----TDANPRYKIPVEADF 300
gi |114632892|ref|XP_508043.2|INNNKFNDRVTGMGVRNGTDRKDAEALFKCFRSLGFDVIVYNDSCSAKMODLLKKAEEEDHTNAACFACILLSHGSEENVIYKGDVTPIKDLTAHFRGDRCKLLEKPKLFFIACRGTDLDDGIQADSGPIND-----TDANPRYKIPVEADF 300
gi |73998856|ref|XP_544026.2|INNNKFNDRITGMGVRNGTDRKDAEALFKCFRSLGFDVIVYNDSCSAKMODLLKKAEEEDHRSACFACILLSHGSEENLIYGTDMGTAIKDLTAHFRGDRCKLLEKPKLFFIACRGTDLDDGIQADSGPIND-----TDANPRYKIPVEADF 300
gi |194679008|ref|XP_604643.3|INNNKFNDRITGMGVRNGTDRKDAEALFKCFRSLGFDVIVYNDSCSAKMODLLKKAEEEDHRSACFACILLSHGSEENLIYGTDMGTAIKDLTAHFRGDRCKLLEKPKLFFIACRGTDLDDGIQADSGPIND-----TDANPRYKIPVEADF 300
gi |6680850|ref|NP_031637.1|INNNKFNDRITGMGVRNGTDRKDAEALFKCFRSLGFDVIVYNDSCSAKMODLLKKAEEEDHRSACFACILLSHGSEENLIYGTDMGTAIKDLTAHFRGDRCKLLEKPKLFFIACRGTDLDDGIQADSGPIND-----TDANPRYKIPVEADF 300
gi |11560075|ref|NP_071596.1|INNNKFNDRITGMGVRNGTDRKDAEALFKCFRSLGFDVIVYNDSCSAKMODLLKKAEEEDHRSACFACILLSHGSEENLIYGTDMGTAIKDLTAHFRGDRCKLLEKPKLFFIACRGTDLDDGIQADSGPIND-----TDANPRYKIPVEADF 300
gi |118093046|ref|XP_421764.2|INNNKFNDRITGMGVRNGTDRKDAEALFKCFRSLGFDVIVYNDSCSAKMODLLKKAEEEDHRSACFACILLSHGSEENLIYGTDMGTAIKDLTAHFRGDRCKLLEKPKLFFIACRGTDLDDGIQADSGPIND-----TDANPRYKIPVEADF 300
gi |24651143|ref|NP_524551.2|FNHEHFVPT-LKSRACINVDENLIRVLKQLDFEVTYVKDCRYKDLRLIEYAASQNHSDSDCILVAILLSHGEMGIYAKDTQYKLDNIWSSFTANHCPSLAGKPKLFFIACRGTDLDDGIQADSGPIND-----RSQTEIDGSSSMS-YKIPVHAD 300
gi |17352459|ref|NP_476974.1|FNHEHFVPT-LKSRACINVDENLIRVLKQLDFEVTYVKDCRYKDLRLIEYAASQNHSDSDCILVAILLSHGEMGIYAKDTQYKLDNIWSSFTANHCPSLAGKPKLFFIACRGTDLDDGIQADSGPIND-----RSQTEIDGSSSMS-YKIPVHAD 300
gi |58389115|ref|XP_316795.2|FNHEHFVPT-LKSRACINVDENLIRVLKQLDFEVTYVKDCRYKDLRLIEYAASQNHSDSDCILVAILLSHGEMGIYAKDTQYKLDNIWSSFTANHCPSLAGKPKLFFIACRGTDLDDGIQADSGPIND-----RSQTEIDGSSSMS-YKIPVHAD 300
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300

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gi |114326250|ref|NP_001041531.1|LVAYSTVPGYYSWRNVANGSWFISLCLMMLKYGKQLEIMQVMTVRVNHKVALEFESCS-NLPGFDGKKIIPCIVSMLTKELYFPK----- 394
gi |18858385|ref|NP_571952.1|LVAYSTVPGYYSWRNMTGTSWFISLCEMNTKYGSELELLQIMTRVNHKVALDFETS-NMPGFDAKKIIPCIVSMLTKEMYFP 394
gi |15718698|ref|NP_203124.1|LFAYSTVPGYYSWRSPGRGSWFVOALCSILEEHGKDLLEIMQILTRVNDVARHFESQS-DDPHFHEKKIIPCIVSMLTKELYFSQ 394
gi |114632892|ref|XP_508043.2|LFAYSTVPGYYSWRSPGRGSWFVOALCSILEEHGKDLLEIMQILTRVNDVARHFESQS-DDPRFHEKKIIPCIVSMLTKELYFSQ 394
gi |73998856|ref|XP_544026.2|LFAYSTVPGYYSWRSPGSGSWFVOALCSILNEHGKSLLEILHILTRVNNRVARHFESQS-DDPHFHEKKIIPCIVSMLTKELYF 394
gi |194679008|ref|XP_604643.3|LFAYSTVPGYYSWRNPGSGSWFVOALCSILNEHGKSLLEILHILTRVNDVARHFESQS-DDPRFHEKKIIPCIVSMLTKELYF 394
gi |6680850|ref|NP_031637.1|LFAYSTVPGYYSWRNPGKGSWFVOALCSILNEHGKDLLEIMQILTRVNDVARHFESQS-DDPRFHEKKIIPCIVSMLTKELYFSR 394
gi |11560075|ref|NP_071596.1|LFAYSTVPGYYSWRNPGKGSWFVOALCSILNEHGKDLLEIMQILTRVNDVARHFESQS-DDPRFHEKKIIPCIVSMLTKELYFGR 394
gi |118093046|ref|XP_421764.2|LFAYSTVPGYYSWRNPGKGSWFVQSLCSVLNEHGKQLEIMQILTRVNVVATNFESQS-DDPRFSEKKIIPCIVSMLTKELYF 394
gi |24651143|ref|NP_524551.2|LIAYSTVPGYYSWRNTRGSWFMSLCAELAANGKRLDILTLIFVQQRVAVDFESCTPDTPEMHQKQIIPCITMILTRILRFSDRQLAPAGRV 394
gi |17352459|ref|NP_476974.1|LFSYSTVPGYYSWRNINNGSWYMSLIRELNGKRYKDLTLFVNRVALDFESNVFATPMMDRQKIPCITMILTRILRFSDRQLAPAGRV 394
gi |58389115|ref|XP_316795.2|MIAYSTVPGYYSWRNTRGKGSWFVQSLCSVLNEHGKQLEIMQILTRVNVVATNFESQS-DDPRFSEKKIIPCITMILTRILRFVFNQKK 394
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....

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