

gi		94400773		ref		NP_032732.3	-----	150
gi		27501444		ref		NP_058696.2	-----	150
gi		4505415		ref		NP_000894.1	-----	150
gi		114663375		ref		XP_523404.2	-----	150
gi		77736017		ref		NP_001029707.1	-----	150
gi		73957442		ref		XP_853617.1	-----	150
gi		45387531		ref		NP_991105.1	-----	150

MAVGPAESAKHWSHFPVNSFLRQGRKFPEKISPARTSPMASPNOTGPRNATPIINRKLKELTTHAGQVQRNPFSSSGPGRSPRENGLVQRSRGARRRLAGRWGPGHRRSPDWDSEAEAPVRSKSRPPEQESRAFRAPPKPQTRSAHPEV

1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

gi		94400773		ref		NP_032732.3	-----	300
gi		27501444		ref		NP_058696.2	-----	300
gi		4505415		ref		NP_000894.1	-----	300
gi		114663375		ref		XP_523404.2	-----	300
gi		77736017		ref		NP_001029707.1	-----	300
gi		73957442		ref		XP_853617.1	-----	300
gi		45387531		ref		NP_991105.1	-----	300

MAARRALIVLAHSEKTSFNAMKEAAVEALKKRGWEVLES DLYAMNFPNIIISRNDIITGELKDSKNFOY PSES LAYKEGR LSPDIVAEHKKLEADLVIFQFPLOWFGVPAILKGF ERLVAGFAYTYAAMYDNGP FOK 300

MAVRRALIVLAHAERTSFNYAMKEAAVEALKKKGWEVVEDLYAMNFPNIIISRNDIITGEPKDSNFQY PVE SLAYKEGR LSPDIVAEOKKLEADLVIFQFPLOWFGVPAILKGF ERLVAGFAYTYAAMYDNGP FOK 300

MVGRRALIVLAHSEKTSFNAMKEAAAAALKKKGWEVVEDLYAMNFPNIIISRNDIITGKLDKDPANFOY PAESV LAYKEGR LSPDIVAEOKKLEADLVIFQFPLOWFGVPAILKGF ERLVAGFAYTYAAMYDNGP FOK 300

MVGRRALIVLAHSEKTSFNAMKEAAAAALKKKGWEVVEDLYAMNFPNIIISRNDIITGKLDKDPANFOY PVE SV LAYKEGR LSPDIVAEOKKLEADLVIFQFPLOWFGVPAILKGF ERLVAGFAYTYAAMYDNGP FOK 300

MAVRKALIVLAHSEKTSFNAMKEAAVEALKKRGWEVTVSDLYAMNFPNIIISRNDIITGKLDKDPANFOY PAETV LAYKEGR LSPDIVAEOKKLEADLVIFQFPLOWFGVPAILKGF ERLVAGFAYTYAAMYDNGP FOK 300

GAASLLPRVPAARKALIVLAHAEKASFNHAMKEAAVEALEATGWEVTVSDLYAMNFPNIIISRNDIITGPKDPGNFOY PAEALAYKEGR LSPDIVAEOKKLEADLVIFQFPLOWFGVPAILKGF ERLVAGFAYTYAAMYDNGP FOK 300

MAQKTALIVLAHQSPASFNAAARDVAVQALTKKGYKVLVSDLYAMKFKASATAEDIKGDLQNPHEFVYNNEMMVAVKKEGR LSPDIVAEOKKLEADLVIFQFPLOWFGVPAILKGF ERLVAGFAYTYAAMYDNGP FOK 300

.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi		94400773		ref		NP_032732.3	-----	434
gi		27501444		ref		NP_058696.2	-----	434
gi		4505415		ref		NP_000894.1	-----	434
gi		114663375		ref		XP_523404.2	-----	434
gi		77736017		ref		NP_001029707.1	-----	434
gi		73957442		ref		XP_853617.1	-----	434
gi		45387531		ref		NP_991105.1	-----	434

KTLLSITTGGS GSMYSLQGVHGDMNVILWP IQSGILRF CGFQVLEPQLVYSIGHTPPDARMC ILEGWKKRLETVWBE TPLVFAPSS LFDLNFQAGFLMKKEVQDEQKKNKFG LSVGHHLGKSI PADN QIKARK- 434

KTLLSITTGGS GSMYSLQGVHGDMNVILWP IQSGILRF CGFQVLEPQLVYSIGHTPPDARVQVLEGWKKRLETVWBE SPLYFAPSS LFDLNFQAGFLMKKEVQDEQKKNKFG LSVGHHLGKSI PADN QIKARK- 434

KAVLSITTGGS GSMYSLQGIHGDMNVILWP IQSGILRF CGFQVLEPQLVYSIGHTPPDARIQ ILEGWKKRLENIWDE TPLVFAPSS LFDLNFQAGFLMKKEVQDEQKKNKFG LSVGHHLGKSI PADN QIKARK- 434

KAVLSITTGGS GSMYSLHG IHGDMN ILLWPIQSGILRF CGFQVLEPQLVYSIGHTPPDARVQ ILEGWKKRLENIWDE MPLYFAPSS LFDLNFQAGFLMKKEVQDEQKKNKFG LSVGHHLGKSI PMD NQIKAIK- 434

KTVLSITTGGS GSMYSLQGIHGDMN ILLWPIQSGILRF CGFQVLEPQLVYSIGHTPPDARIQ ILEGWKKRLENIWNE TPLVFAPSS LFDLNFQAGFLMKKEVQDKQKNEKFG LSVGHHLGKSI PADN QIKARK- 434

RAMLSTTGGMESMYKDDSLHGDINILLWPLQNGVLRFCGFQVLEPQLVYSIPAYTPPEGRAAMLGWRERLGGVFEEKPLS FAPSEVFDLSFQAGFLRPEVKDKLASEPYGITTAHHLGKPLPPNQT KPKQN 434

.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....

