

gi|6679537|ref|NP_032995.1|-----MSRRSLG-----LWFLLLLLLLPPTPSVLLADPGVPSVVP-----CCYYPQNGVQVVRFGLDNYQCDCTRGTGYSGNCTIPPELWTLRNSLRSPSFFHFLLLTH 150
gi|8394094|ref|NP_058739.1|-----MSRRSLG-----LQFPLLLLLLLPPPPVLLDAGVPSVVP-----CCYYPQNGVQVVRFGLDHYQCDCTRGTGYSGNCTIPPELWTLRNSLRSPSFFHFLLLTH 150
gi|18104967|ref|NP_000953.2|-----MSRRSLG-----LWFLLLLLLLPPLPVLLADPGAPTPVP-----CCYYPQHQGICVVRFGLDRYQCDCTRGTGYSGNCTIPGLWTLRNSLRSPSFFHFLLLTH 150
gi|114626547|ref|XP_520238.2|-----MRK-----PRLMNP-----CCYYPQHQGICVVRFGLDRYQCDCTRGTGYSGNCTIPGLWTLRNSLRSPSFFHFLLLTH 150
gi|50978652|ref|NP_001003023.1|-----MSREFFDPAAPRNPLRLPGEPMPGPAITSRAGGSRLRHNPFLLLLLLLPPPPVLPAPAPVNP-----CCYYPQHQGICVVRFGLDRYQCDCTRGTGYSGNCTIPPELWTLRNSLRSPSFFHFLLLTH 150
gi|76630425|ref|XP_869575.1|-----MSRQGI-----LRFPLLLLLLLSPVLPADPGAPVNP-----CCYYPQHQGICVVRFGLDRYQCDCTRGTGYSGNCTIPPELWTLRNSLRSPSFFHFLLLTH 150
gi|118099456|ref|XP_425326.2|MEGLQSGAGGSRSSVSHCGHPAG-----FLLGVEVAVARODTLTAPWLRGAAALPPTALLGSSKVPNAVAVRVDGLSLSAVNPCCYYPQHQGICVVRFGLEBYECDCTRGTGYSGNCTIPPELWTLRNSLRSPSFFHFLLLTH 150
gi|24119249|ref|NP_705942.1|-----MRECNFL-----LKWTVILLVSVFSCAGEESPSSNTANP-----CCYYPQNGVQVVRFGLEBYECDCTRGTGYSGNCTIPPELWTRVYRLLPSPNVVHYLLTH 150
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150



gi|6679537|ref|NP_032995.1|GYWLEFVNATFIREVLMRLVLTVRSNLIPTSPPTYNASADYISWESFSNVSYYTRILPSPVKDCPTPMGTGKQKQLPDAQLLARRFLLRRKFIPDPGNTLMFAFFAHOFTHOFFKTSGKMGPGFKALGHGVDLGHYVGNLEROYHLR 300
gi|8394094|ref|NP_058739.1|GYWLEFVNATFIREVLMGWVLTVRSNLIPTSPPTYNASADYISWESFSNVSYYTRILPSPVKDCPTPMGTGKQKQLPDIHLLAQRLLLRREFIPAPGNTNLFMAFFAHOFTHOFFKTSGKMGPGFKALGHGVDLGHYVGNLEROYHLR 300
gi|18104967|ref|NP_000953.2|GRWFWEFVNATFIREMLMRLVLTVRSNLIPTSPPTYNASADYISWESFSNVSYYTRILPSPVKDCPTPMGTGKQKQLPDAQLLARRFLLRRKFIPDPGNTLMFAFFAHOFTHOFFKTSGKMGPGFKALGHGVDLGHYVGNLEROYQLR 300
gi|114626547|ref|XP_520238.2|GRWFWEFVNATFIREMLMRLVLTVRSNLIPTSPPTYNASADYISWESFSNVSYYTRILPSPVKDCPTPMGTGKQKQLPDAQLLARRFLLRRKFIPDPGNTLMFAFFAHOFTHOFFKTSGKMGPGFKALGHGVDLGHYVGNLEROYQLR 300
gi|50978652|ref|NP_001003023.1|GRWFWEFVNATFIREMLMRLVLTVRSNLIPTSPPTYNASADYISWESFSNVSYYTRILPSPVKDCPTPMGTGKQKQLPDAQLLARRFLLRRKFIPDPGNTLMFAFFAHOFTHOFFKTSGKMGPGFKALGHGVDLGHYVGNLEROYQLR 300
gi|76630425|ref|XP_869575.1|GRWLDVFNATFIRDKLMRLVLTVRSNLIPTSPPTYNASADYISWESFSNVSYYTRILPSPVKDCPTPMGTGKQKQLPDAQLLARRFLLRRKFIPDPGNTLMFAFFAHOFTHOFFKTSGKMGPGFKALGHGVDLGHYVGNLEROYQLR 300
gi|118099456|ref|XP_425326.2|FRWFDIINSTRFIRDLMRLVLTVRSNLIPTSPPTYNASADYISWESFSNVSYYTRILPSPVKDCPTPMGTGKQKQLPDAQLLARRFLLRRKFIPDPGNTLMFAFFAHOFTHOFFKTSGKMGPGFKALGHGVDLGHYVGNLEROYQLR 300
gi|24119249|ref|NP_705942.1|FDWLWDLINRSFLRDLMRKLVLTVRSNLIPTSPPTYNASADYISWESFSNVSYYTRILPSPVKDCPTPMGTGKQKQLPDAQLLARRFLLRRKFIPDPGNTLMFAFFAHOFTHOFFKTHNRVGLGFKLGHGVDAGHYVGNLEROYQLR 300
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi|6679537|ref|NP_032995.1|LFKDGKLYQVLDGEMVPPSVEEAPVLMHYPRGIPPOSQMAVGOEVFGLLPGMLMFLSTIWLREHNRVCDLLKEEHPDWDDEOLFOTRLILIGETIKIVIEEYVQHLGSGYFLOLKFDPPELLFRAOQYRNRRIAMEFNHLYHWHPLMPDSF 450
gi|8394094|ref|NP_058739.1|LFKDGKLYQVLDGELYPPSVEEASVKMRYPGPVPEKQMAVAOEVFGLLPGMLMFLSTIWLREHNRVCDLLKEEHPDWDDEOLFOTRLILIGETIKIVIEEYVQHLGSGYFLOLKFDPPELLFRAOQYRNRRIAMEFNHLYHWHPFMPDSF 450
gi|18104967|ref|NP_000953.2|LFKDGKLYQVLDGEMVPPSVEEAPVLMHYPRGIPPOSQMAVGOEVFGLLPGMLMFLSTIWLREHNRVCDLLKEEHPDWDDEOLFOTRLILIGETIKIVIEEYVQHLGSGYFLOLKFDPPELLFVQVQYRNRRIAMEFNHLYHWHPLMPDSF 450
gi|114626547|ref|XP_520238.2|LFKDGKLYQVLDGEMVPPSVEEAPVLMHYPRGIPPOSQMAVGOEVFGLLPGMLMFLSTIWLREHNRVCDLLKEEHPDWDDEOLFOTRLILIGETIKIVIEEYVQHLGSGYFLOLKFDPPELLFVQVQYRNRRIAMEFNHLYHWHPLMPDSF 450
gi|50978652|ref|NP_001003023.1|LFKDGKLYQVLDGEMVPPSVEEAPVLMHYPRGIPPOSQMAVGOEVFGLLPGMLMFLSTIWLREHNRVCDLLKEEHPDWDDEOLFOTRLILIGETIKIVIEEYVQHLGSGYFLOLKFDPPELLFSAOQYRNRRIAMEFNHLYHWHPLMPDSF 450
gi|76630425|ref|XP_869575.1|LFKDGKLYQVLDGEMVPPSVEEAPVLMHYPRGIPPOSQMAVGOEVFGLLPGMLMFLSTIWLREHNRVCDLLKEEHPDWDDEOLFOTRLILIGETIKIVIEEYVQHLGSGYFLOLKFDPPELLFSAOQYRNRRIAMEFNHLYHWHPLMPDSF 450
gi|118099456|ref|XP_425326.2|LFKDGKLYQVLDGEMVPPSVEEAPVLMHYPRGIPPOSQMAVGOEVFGLLPGMLMFLSTIWLREHNRVCDLLKEEHPDWDDEOLFOTRLILIGETIKIVIEEYVQHLGSGYFLOLKFDPPELLFSAOQYRNRRIAMEFNHLYHWHPLMPDSF 450
gi|24119249|ref|NP_705942.1|LHKDGKLYQVLDGDIYPPVTLHAQVKMSYPPSVPEQDLAIGQEVFGLLPGMLMFLSTIWLREHNRVCDLLKEEHPDWDDEOLFOTRLILIGETIKIVIEEYVQHLGSRKRLKHFDPPELLFNSQYRNRRIAMEFNHLYHWHPLMPDSF 450
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450



gi|6679537|ref|NP_032995.1|QVGSQEYSYEQFLFNTSMLVDYGEALVDAFSRQAGRIGGGRNFDYHVLHVAVDVIKESREMRLQPFNEYRKRFRGLKPYTSFQELGKEMAAELEEYGDIDALEFYVGLLLEKQPNISIFGESMIEMGAPFLKGLLGNPICSPYEW 600
gi|8394094|ref|NP_058739.1|QVGSQEYSYEQFLFNTSMLVDYGEALVDAFSRQAGRIGGGRNFDYHVLHVAVDVIKESREMRLQSFNEYRKRFRGLKPYTSFQELGKEMAAELEEYGDIDALEFYVGLLLEKQPNISIFGESMIEMGAPFLKGLLGNPICSPYEW 600
gi|18104967|ref|NP_000953.2|KMGSQEYSYEQFLFNTSMLVDYGEALVDAFSRQIAGRIGGGRNMDHVLHVAVDVIRESEMRLQPFNEYRKRFRGMKPYTSFQELVGEKEMAAELEEYGDIDALEFYVGLLLEKCHPNISIFGESMIEMGAPFLKGLLGNPICSPYEW 600
gi|114626547|ref|XP_520238.2|KMGSQEYSYEQFLFNTSMLVDYGEALVDAFSRQIAGRIGGGRNMDHVLHVAVDVIRESEMRLQPFNEYRKRFRGMKPYTSFQELVGEKEMAAELEEYGDIDALEFYVGLLLEKCHPNISIFGESMIEMGAPFLKGLLGNPICSPYEW 600
gi|50978652|ref|NP_001003023.1|WVGSQEYSYEQFLFNTSMLHYGIEALVDAFSRQASAGRIGGGRNIDHVLHVAVDVITIKESRELRLQPFNEYRKRFRGMKPYTSFQELGKEMAAELEEYGDIDALEFYVGLLLEKCHPNISIFGESMIEMGAPFLKGLLGNPICSPYEW 600
gi|76630425|ref|XP_869575.1|RVGPQDYSYEQFLFNTSMLVDYGEALVDAFSRQAGRIGGGRNIDHVLHVAVDVITIKESRELRLQPFNEYRKRFRGMKPYTSFQELGKEMAAELEEYGDIDALEFYVGLLLEKCHPNISIFGESMIEMGAPFLKGLLGNPICSPYEW 600
gi|118099456|ref|XP_425326.2|TIQGSQEYSYEQFLYNTSMLVDYGEALAEFSMOTAGRIGGGRNINANVLVAVDVITIKESRELRLQPFNEYRKRFRGMKPYTSFQELGKEMAAELEEYGDIDALEFYVGLLLEKQPNISIFGESMIEMGAPFLKGLLGNPICSPYEW 600
gi|24119249|ref|NP_705942.1|YIDGDHIQSKFIFNTSMLHYGIEALVDAFSRQAGRIGGGRNIDHVLHVAVDVITIKESRELRLQPFNEYRKRFRGMKPYTSFQELGKEMAAELEEYGDIDALEFYVGLLLEKQPNISIFGESMIEMGAPFLKGLLGNPICSPYEW 600
.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600



gi|6679537|ref|NP_032995.1|KPSITFGDVGFLNVTASLKKLVCLNKTCPYVSFRVDPYPG---DDGSVLVRRSSTEL 659
gi|8394094|ref|NP_058739.1|KPSITFGDVGFLNVTASLKKLVCLNKTCPYVSFRVDPYPG---DDGSVFRVPSSTEL 659
gi|18104967|ref|NP_000953.2|KPSITFGGVEGFNIVKTAALKKLVCLNKTCPYVSFRVDPASQ---DDGPAVERPSTEL 659
gi|114626547|ref|XP_520238.2|KPSITFGGVEGFNIVKTAALKKLVCLNKTCPYVSFRVDPASQ---DDGPAVERPSTEL 659
gi|50978652|ref|NP_001003023.1|KPSITFGGEMGFNMVKTALKKLVCLNKTCPYVSFRVDPHQ---DDGGVQVRPSTEL 659
gi|76630425|ref|XP_869575.1|KASITFGDVGFLNVTASLKKLVCLNKTCPYVSFRVDPVPHR---EDRPGVERPSTEL 659
gi|118099456|ref|XP_425326.2|KPSITFGGANVGFIVKTAALKKLVCLNKTCPYVSFRVDPVPHR---EDRPGVERPSTEL 659
gi|24119249|ref|NP_705942.1|KPSITFGGKIGFDIVNATLKKLVCLNKTCPYVSFRVDPVPHR---EDRPGVERPSTEL 659
.....610.....620.....630.....640.....650

