

gi 156151371 ref NP_057615.3	-----MLMFDPPVVKQEAMDPVSV-----SYPSNYMES-----MKPNKYGVIIYSTP--LPEK	45
gi 114593672 ref XP_517146.2	-----MLMFDPPVVKQEAMDPVSV-----SYPSNYMES-----MKPNKYGVIIYSTP--LPEK	45
gi 6680582 ref NP_032479.1	-----MLMFDPPVVKQEAMDPVSV-----SFPSNYIES-----MKPNKYGVIIYSTP--LPDK	45
gi 109499691 ref XP_223423.4	-----MLMFDPPVVKQEAMDPVTV-----SYPSNYIES-----MKPNKYGVIIYSTP--LPDK	45
gi 73951888 ref XP_545954.2	MDGAASVKGPSKGLVLRDGVWGAWALEPTLQALGTPLEGLRAWARPAKQSTLESLLKRLMLMFDPPVVKQEVMSVSVRWVRLAFFGESACTPTYSARGVCVLLAFGGHILRSYPSNYMES-----MKPNKYGVIIYSTP--LPDK	143
gi 194667813 ref XP_608827.4	-----MLMFDPPVVKQEAMDPVSV-----SYPSNYMES-----MKPNKYGVIIYSTP--LSDK	45
gi 118090614 ref XP_427367.2	-----MDPVSV-----SYPSNYMDQ-----MKPNKYSVIYSAPSLMLHNK	34
gi 45433524 ref NP_571934.2	-----MLTCDPKP-DMSLYQPYST-----LIKSHETFGMVLPPAVVSGAHLVPSHYHPSYQLPYS	54

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

gi 156151371 ref NP_057615.3	FFOTPEGLSHGIQMEPVDLTVNKRSSPPSAGNSPSSLKFPSSHRRASPGLSMPSSSPPIKKYSPPS-PGVQPFVGVLSPMPVMAAALSRHGIRSPGILPVIQPVVVQPVPFMYTS--HLQOPLMVS--LSEEMENSSSMQVPIVIESYEK	190
gi 114593672 ref XP_517146.2	FFOTPEGLSHGIQMEPVDLTVNKRSSPPSAGNSPSSLKFPSSHRRASPGLSMPSSSPPIKKYSPPS-PGVQPFVGVLSPMPVMAAALSRHGIRSPGILPVIQPVVVQPVPFMYTS--HLQOPLMVS--LSEEMENSSSMQVPIVIESYEK	190
gi 6680582 ref NP_032479.1	FFOTPEGLTHGIQVEPVDLTVNKRSSPPAAGGSPSSLKFP-SHRRASPGLSMPSSSPPIKKYSPPS-PGVQPFVGVLSPMPVMAAALSRHGIRSPGILPVIQPVVVQPVPFMYTS--HLQOPLMVS--LSEEMDNNSGMPVPIVIESYEK	189
gi 109499691 ref XP_223423.4	FFOTPEGLAHGIQMEPVDLTVNKRSSPPAAGGSPSSLKFP-SHRRASPGLSMPSSSPPIKKYSPPS-PGVQPFVGVLSPMPVMAAALSRHGIRSPGILPVIQPVVVQPVPFMYTS--HLQOPLMVS--LSEEMDNNSGMPVPIVIESYEK	189
gi 73951888 ref XP_545954.2	FFOTPEGLSHGMQLEPVDLTVNKRSSPPSAGNSPSSLKFPSSHRRASPGLSLSPSSSPVVKYSPPPP-AGVQPFVGVLSPMPVMAAALSRHGIRSPGILPVIQPVVVQPVPFMYTS--HLQOPLMVS--LSEEMENSSSMQVPIVIESYEK	288
gi 194667813 ref XP_608827.4	FFOTPEGLSHGMQMEPVDLTVNKRSSPPSAGNSPSSLKFPSSHRRASPGLSLSPSSSPGKKYSPPPPPGVQPFVPSLSPMPVMAAALSRHGIRSPGILPVIQPVVVQPVPFMYTS--HLQOPLMVS--LSEEMENSSSMQVPIVIESYEK	191
gi 118090614 ref XP_427367.2	FYSNPDGLSNGIQMEPVDLTVNKRSSPPSAGNSPSSLKFPQTVHRRTPSGLTLSSSPSPISKFTPS-PGVQPLSMPTITPPVMAAALSRHGLRSPGILPVIQPVVVQPVPFMYAP--HLQOPLMVS--LSEEMDNNSGMPVPIVIESFEK	180
gi 45433524 ref NP_571934.2	HRQSQD--VHQAIQIEPVDLSIGNKSS-----GSSPSS-SLASSSPRASPPSPYEAHSPASRCSQNR-----QLSPSLTLPIPAVTQVLTQVFPVSSPGMIPVIP-----MPLSVLYPPSLHLSPSIIISPVTPEDPANMKHFSVIKSENSSDH	187

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

gi 156151371 ref NP_057615.3	PISQKKIKIEPGIEPRTDYYPEEMSPPLMNSVSPPOALLQENHPSVIVQPGKRPLPVESPDTRKRRRIHRCDDYDGCNKVYTKSSHLKAHRRHTHTGEKPYKCTWEGCTWKFARSDDELTRHFRKHTGIKPFQCPDCDRSFSRSDHLALHRK	340
gi 114593672 ref XP_517146.2	PISQKKIKIEPGIEPRTDYYPEEMSPPLMNSVSPPOALLQENHPSVIVQPGKRPLPVESPDTRKRRRIHRCDDYDGCNKVYTKSSHLKAHRRHTHTGEKPYKCTWEGCTWKFARSDDELTRHFRKHTGIKPFQCPDCDRSFSRSDHLALHRK	340
gi 6680582 ref NP_032479.1	PYLQKKIKIEPGIEPRTDYYPEEMSPPLMNSVSPPOALLQENHPSVIVQPGKRPLPVESPDTRKRRRIHRCDDYDGCNKVYTKSSHLKAHRRHTHTGEKPYKCTWEGCTWKFARSDDELTRHFRKHTGIKPFQCPDCDRSFSRSDHLALHRK	339
gi 109499691 ref XP_223423.4	PILOKKIKIEPGIEPRTDYYPEEMSPPLMNSVSPPOALLQENHPSVIVQPGKRPLPVESPDTRKRRRIHRCDDYDGCNKVYTKSSHLKAHRRHTHTGEKPYKCTWEGCTWKFARSDDELTRHFRKHTGIKPFQCPDCDRSFSRSDHLALHRK	339
gi 73951888 ref XP_545954.2	PILOKKIKIEPGIEPRTDYYPEEMSPPLMNSVSPPOALLQENHPSVIVQPGKRPLPVESPDTRKRRRIHRCDDYDGCNKVYTKSSHLKAHRRHTHTGEKPYKCTWEGCTWKFARSDDELTRHFRKHTGIKPFQCPDCDRSFSRSDHLALHRK	438
gi 194667813 ref XP_608827.4	PILOKKIKIEPGIEPRTDYYPEEMSPPLMNSVSPPOALLQENHPSVIVQPGKRPLPVESPDTRKRRRIHRCDDYDGCNKVYTKSSHLKAHRRHTHTGEKPYKCTWEGCTWKFARSDDELTRHFRKHTGIKPFQCPDCDRSFSRSDHLALHRK	341
gi 118090614 ref XP_427367.2	PALKKTIKVEPGSEPAKTDYPERMSPP-MTSLSPQEVMLQENHPSVIVQPGKRPLPVESPDTRKRRRIHRCDDYEGCNKVYTKSSHLKAHRRHTHTGEKPYKCTWEGCTWKFARSDDELTRHFRKHTGIKPFQCPDCDRSFSRSDHLALHRK	329
gi 45433524 ref NP_571934.2	HELLKPIKSEPHENTDNHSQEK-----SVITALPTYNDRGNTQSP-----KVESPDLLKKRRRIHRCDFNGCNKVYTKSSHLKAHRRHTHTGEKPYKCMWEGCTWKFARSDDELTRHFRKHTGIKPFQCPDCDRSFSRSDHLALHRK	323

.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450

gi 156151371 ref NP_057615.3	RHMLV	345
gi 114593672 ref XP_517146.2	RHMLV	345
gi 6680582 ref NP_032479.1	RHMLV	344
gi 109499691 ref XP_223423.4	RHMLV	344
gi 73951888 ref XP_545954.2	RHMLV	443
gi 194667813 ref XP_608827.4	RHMLV	346
gi 118090614 ref XP_427367.2	RHMLV	334
gi 45433524 ref NP_571934.2	RHLLV	328

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