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                                 *****:**.:::. . ****:*:: ***.:. ****:*********:  *.:**.:****:***** :***********  **********:******.**.***.**.*******:******* *. *:***:*.:***** :*.:.*:
gi|31542992|ref|NP_076159.2|     MNKLYIGNLSDHAGPADLESVFKDAKIPVAGPFLVKTGYAFVDCPDEGWALKAIEALSGKMELHGKPMEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETAVVNVTYSSKDQARQALDKLNGFQLENFTLK   150
gi|62647225|ref|XP_231739.3|     MNKLYIGNLSDHAGPADLESVFKDAKIPVAGPFLVKTGYAFVDCPDEGWALKAIEALSGKMELHGKPMEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETAVVNVTYSSKDQARQALDKLNGFQLENFTLK   150
gi|30795212|ref|NP_006538.2|     MNKLYIGNLSENAAPSDLESIFKDAKIPVSGPFLVKTGYAFVDCPDESWALKAIEALSGKIELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETAVVNVTYSSKDQARQALDKLNGFQLENFTLK   150
gi|114612360|ref|XP_001157593.1| MNKLYIGNLSENAAPSDLESIFKDAKIPVSGPFLVKTGYAFVDCPDESWALKAIEALSGKIELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETAVVNVTYSSKDQARQALDKLNGFQLENFTLK   150
gi|73976018|ref|XP_863310.1|     MNKLYLGNLSENAVPSDLESIFKDAKIPVSGPFLVKTGYAFVDCPDESWALKAIEALSGKVELHGKFMEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETAVVNVTYSSKDQARQALDKLNGFQLESFTLK   150
gi|76614960|ref|XP_588560.2|     MNKLYIGNLSENAVPSDLESVFKDAKIPVSGPFLVKTGYAFVDCPDDSWALKAIEALSGKVELHGKLIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETAVVNVTYSNKEQARQALDKLNGFQLENFTLR   150
gi|57530702|ref|NP_001006359.1| MNKLYIGNLGENVSPLDLESLFKDSKIPFSGQFLVKTGYAFVDCPDESWAMKAIEALSGKVELHGKLIEVEHSVPKRQRSRKLQIRNIPPHLQWEVLDSLLAQYGTVENCEQVNTDTETAVVNVTYGNKDQARQAIEKLNGFQLENYSLK   150
gi|18858571|ref|NP_571566.1|     MNKLYIGNVSEQASALDLESIFEQWKIPFSAPFLVKSGYAFVDCPDEKVAMRAIDTLSGKVELHGKVLEVEHSVPKRQRSCKLQIRNIPPHMQWEVLDGLLAQYGTVESCEQVNTDTETAVVNVRYGAKDQAREAMDKLNGFLMENYALK   150
                                 1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

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gi|31542992|ref|NP_076159.2|     VAYIPDETAAQQNPSPQLRGRRGPGQRGSSRQASPGSVSKQKP-CDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENTGAAEKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNL   300
gi|62647225|ref|XP_231739.3|     VAYIPDETAAQQSPSPQLRGRRGPGQRGSSRQTSPGSVSKQKP-CDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENTGAAEKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNL   300
gi|30795212|ref|NP_006538.2|     VAYIPDEMAAQQNPLQQPRGRRGLGQRGSSRQGSPGSVSKQKP-CDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAAEKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNL   300
gi|114612360|ref|XP_001157593.1| VAYIPDEMAAQQNPLQQPRGRRGLGQRGSSRQGSPGSVSKQKP-CDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAAEKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNL   300
gi|73976018|ref|XP_863310.1|     VAYIPDEMAAQQNPSQQPRGRRGFGQRGSSRQGSPGSVSKQKP-CDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAAEKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNL   300
gi|76614960|ref|XP_588560.2|     VAYIPDEMAAQQSPSQQPRGRRGFGQRGSSRQGSPGSVSKQKP-CDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAAEKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNL   300
gi|57530702|ref|NP_001006359.1| VAYIPDEMAAQQPPQQHPQGRRGFGQRGPPRQGSPSATTRQKPQSDVPLRMLVPTQFVGAIIGKEGATIRNITKQTQSKIDIHRKENAGAAEKPITIHSTPEGCSTACKIIMEIMQKEAQDTKFTEEIPLKILAHNNFVGRLIGKEGRNL   300
gi|18858571|ref|NP_571566.1|     VSYIPDETAAADAPAVG--GRRGFNPRGPPRQGSPSLGARPKLQSDVPLRLLVPTQFVGAIIGKEGATIRNITKQTHSKIDIHRKENAGAAEKPITVHSTPEGCSSACRNIMEIMQKEAIDTKITEEIPLKILAHNNFVGRLIGKEGRNL   300
                                 .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

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gi|31542992|ref|NP_076159.2|     KKIEQDTDTKITISPLQELTLYNPERTITVKGSVETCAKAEEEIMKKIRESYENDIASMNLQANLIPGLNLNALGLFPP-TSGMPPP--TSGPPS--------------------TLTPPYPQFEQ-SETETVHLFIPALSVGAIIGKQ   450
gi|62647225|ref|XP_231739.3|     KKIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNLQAHLIPGLNLNALGLFPP-TSGMPPP--TSGPPS--------------------AMTPPYPQFEQ-SETETVHLFIPALSVGAIIGKQ   450
gi|30795212|ref|NP_006538.2|     KKIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNLQAHLIPGLNLNALGLFPP-TSGMPPP--TSGPPS--------------------AMTPPYPQFEQ-SETETVHLFIPALSVGAIIGKQ   450
gi|114612360|ref|XP_001157593.1| KKIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNLQAHLIPGLNLNALGLFPP-TSGMPPP--TSGPPS--------------------AMTPPYPQFEQ-SETETVHLFIPALSVGAIIGKQ   450
gi|73976018|ref|XP_863310.1|     KKIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNLQAHLIPGLNLNALGLFPP-TSGMPPP--TSGPPSPPRHPFFLHNFSVRWLFYAHTCFSPISHHVKH-NKTETVHLFIPALSVGAIIGKQ   450
gi|76614960|ref|XP_588560.2|     KKIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNLQAHLIPGLNLNALGLFPP-TSGMPPP--TSGPPS--------------------AITPPYPQFEQQSETETVHLFIPALSVGAIIGKQ   450
gi|57530702|ref|NP_001006359.1| KKIEQDTDTKITISPLQDLTLYNPERTITVKGSIETCAKAEEEIMKKIRESYENDIAAMNLQAHLIPGLNLNALGLFPPSSSGIPPP--AVSVAS--------------------AAAAASYPPFGQQPESETVHLFIPALAVGAIIGKQ   450
gi|18858571|ref|NP_571566.1|     KKIEQDTDTKITISPLQDLTLYNPERTITVKGTLDACAKAEEEIMKKVRESYENDVAAMHLQSNLIPGLNLNALGLFPGAASGGISPSVVSGPPP--------------------GAQAGYQSFGAQMESETVHLFIPALAVGAIIGKQ   450
                                 .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400.......410.......420.......430.......440.......450

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gi|31542992|ref|NP_076159.2|     GQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQSLSSAEVVVPRDQTPDENDQVVVKITGHFYACQVAQRKIQEILTQVK-QHQQQKALQSGP   600
gi|62647225|ref|XP_231739.3|     GQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKITGHFYACQVAQRKIQEILTQVK-QHQQQKALQSGA   600
gi|30795212|ref|NP_006538.2|     GQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKITGHFYACQVAQRKIQEILTQVK-QHQQQKALQSGP   600
gi|114612360|ref|XP_001157593.1| GQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKITGHFYACQVAQRKIQEILTQVK-QHQQQKALQSGP   600
gi|73976018|ref|XP_863310.1|     GQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKITGHFYACQVAQRKIQEILTQVK-QHQQQKALQSGP   600
gi|76614960|ref|XP_588560.2|     GQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKITGHFYACQVAQRKIQEILTQVK-QHQQQKALQSGP   600
gi|57530702|ref|NP_001006359.1| GQHIKQLSRFAGASIKIAPAEGPDAKLRMVIITGPPEAQFKAQGRIYGKLKEENFFGPKEEVKLEAHIKVPSYAAGRVIGKGGKTVNELQNLTSAEVVVPRDQTPDENDQVVVKITGHFYACQLAQRKIQEILAQVRRQQQQQKTLQSGQ   600
gi|18858571|ref|NP_571566.1|     GQHIKQLSRFAGASIKIAPADGIDAKQRMVIISGPPEAQFKAQGRIFGKLKEENFFGPKEEVKLEAHIKVPSFAAGRVIGKGGKTVNELQNLTSAEVVVPRDQTPDENDQVVVKITGHFYASQLAQRKIQEIISQVR-RQQQPKPSAAGP   600
                                 .......460.......470.......480.......490.......500.......510.......520.......530.......540.......550.......560.......570.......580.......590.......600

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gi|31542992|ref|NP_076159.2|     PQSRRK   606
gi|62647225|ref|XP_231739.3|     PQSRRK   606
gi|30795212|ref|NP_006538.2|     PQSRRK   606
gi|114612360|ref|XP_001157593.1| PQSRRK   606
gi|73976018|ref|XP_863310.1|     PQSRRK   606
gi|76614960|ref|XP_588560.2|     SQSRRK   606
gi|57530702|ref|NP_001006359.1| PQPRRK   606
gi|18858571|ref|NP_571566.1|     PVARRK   606
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