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gi|50310799|ref|XP_455422.1|-----KVDIKSVRLTIHEIHEATRLDPEIKR--LVYHKTGQ-----EIGLVYFRSGYAPSDVFSEQDWNENRLEISYAIKAPNLLTQLSGTKKIQOLLIDPK-----ILK 600
gi|45185970|ref|NP_983686.1|-----RQGVKSVRLMLHEVHERTRLDPIIKR--LYLTSTGQ-----EIAVYVYFRTCYSPQDFASEQDWNENRLEISYAIKAPNLLTQLSGTKKIQOLLIDPK-----VLA 600
gi|6324524|ref|NP_014593.1|-----KFGTKSVRLTFDDVNDKLFIDDKIKG--LFRDTEQ-----EIAVYVYFRTCYSPQDFASEQDWNENRLEISYAIKAPNLLTQLSGTKKIQOLLIDPK-----VLA 600
gi|145608682|ref|XP_369939.2|-----SGDAVIPVFRILPFSQILKHTSIADGSKRQLLYRLPSNPARVFEVAVYVYFRGYPGDPYDDEAWQGRQLQLERSNAIKCPDIAIQLAGMKKVOQLATPFPSSPS--PFKLG 600
gi|32411131|ref|XP_326046.1|-----SGPNKVPVFRILPFSQILKHTSIADGSKRQLLYRLPSNPARVFEVAVYVYFRGYPGDPYDDEAWQGRQLQLERSNAIKCPDIAIQLAGMKKVOQLATPFPSSPS--PFKLG 600
gi|19114848|ref|NP_593936.1|-----RFHVISKRIDIAELNS-LIHDKSNK--LYMKTSTFT--YEVAVYVYFRGYPGDPYDDEAWQGRQLQLERSNAIKCPDIAIQLAGMKKVOQLATPFPSSPS--PFKLG 600
gi|4504169|ref|NP_000169.1|-----NIHVIRRRFEDVSEKGSLDQ-----DRRLFMDGQEIADVYFRDGYMPQYSL--QNWEARLLERSHAAKCPDIAIQLAGTKKVOQLERSRG--MLE 600
gi|73991696|ref|XP_851615.1|-----NIHVIRRRFEDVSEKGSLDQ-----DRRLFMDGQEIADVYFRDGYMPQYSL--QNWEARLLERSHAAKCPDIAIQLAGTKKVOQLERSRG--MLE 600
gi|62752070|ref|NP_001015630.1|-----NIHVIRRRFEDVSEKGSLDQ-----DRRLFMDGQEIADVYFRDGYMPQYSL--QNWEARLLERSHAAKCPDIAIQLAGTKKVOQLERSRG--MLE 600
gi|6680117|ref|NP_032206.1|-----KIHVIRRRFEDVSEKGSLDQ-----NRRLFMDQEIADVYFRDGYMPQYSL--QNWEARLLERSHAAKCPDIAIQLAGTKKVOQLERSRG--MLE 600
gi|25742757|ref|NP_037094.1|-----NIHVIRRRFEDVSEKGSLDQ-----NRRLFMDQEIADVYFRDGYMPQYSL--QNWEARLLERSHAAKCPDIAIQLAGTKKVOQLERSRG--MLE 600
gi|118100530|ref|XP_425692.2|-----NIHVIRRRFEDVSEKGSLDQ-----NRRLFMDQEIADVYFRDGYMPQYSL--QNWEARLLERSHAAKCPDIAIQLAGTKKVOQLERSRG--MLE 600
gi|54400710|ref|NP_001006104.1|-----NIPVIRRRFEDVSEKGSLDQ-----NRRLFMDQEIADVYFRDGYMPQYSL--QNWEARLLERSHAAKCPDIAIQLAGTKKVOQLERSRG--MLE 600
gi|24642900|ref|NP_728116.1|-----YPHIKVLRRTLTVEVHREGKLGQ-----SKELLGSDQEIADVYFRAGYEPGHYHSCADWDARVLMETSLAIKCPDIAIHLAGTKKVOQLAQPA--VLE 600
gi|28571249|ref|NP_788926.1|-----YPHIKVLRRTLTVEVHREGKLGQ-----SKELLGSDQEIADVYFRAGYEPGHYHSCADWDARVLMETSLAIKCPDIAIHLAGTKKVOQLAQPA--VLE 600
gi|158288708|ref|XP_310552.4|-----YPHIVAVRRRTLTVEVHREGKLGQ-----SKELLGSDQEIADVYFRAGYEPGHYHSCADWDARVLMETSLAIKCPDIAIHLAGTKKVOQLAQPA--VLE 600
gi|17535239|ref|NP_496011.1|-----VPMTCIIRRNLTQCYEQSLND-----RSDLMDIGRQVAVYFRAGYSPDHYSTKWEARERMEISAIKTPWIGLQVANTKKIQOVLSEDG--VLE 600
gi|145358475|ref|NP_568495.2|-----NIHVIRRRFEDVSEKGSLDQ-----NRRLFMDQEIADVYFRAGYSPDHYSTKWEARERMEISAIKTPWIGLQVANTKKIQOVLSEDG--VLE 600
gi|115486425|ref|NP_001068356.1|-----HGVKIVRRLTLAGVEAQVPLP-----DTLTVLDGQVTSVYVYFRAGYSPDHYSTKWEARERMEISAIKTPWIGLQVANTKKIQOVLSEDG--VLE 600
gi|124506163|ref|XP_001351679.1|-----LITINEIKLLFESKLLFLNVDKELIDLSIKRIKIKNEYNPNIPIFPGKLLIDLDLNDLIDILNVCININDILKNINKYERNIFETISVLYFRALYTPN--HFNENIYKIRMFESDAIKIPSLPYQLVSGSKIKMLLDND--ILK 600

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gi|50310799|ref|XP_455422.1|-----SFDHLLPFFVKIYPLD--SSVLGKIGKLLALT--EPENVFLKQREGGGNNIYKEDIPGFLESVD--ED--EWSAYILMELITPKS--EENFVI-----RQQLF--NVPILSLGIFFGTI 750
gi|45185970|ref|NP_983686.1|-----RFD--IGAFVFNLYPLD--DSSLGKIGKLLALE--MPERFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|6324524|ref|NP_014593.1|-----KVISDA--R--KKSSLKIFVKIYPLD--DTLKGREGKRLALS--EBSKIVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWSAYILMELITPKS--EENFVI-----RQQLF--NVPILSLGIFFGTI 750
gi|145608682|ref|XP_369939.2|-----KVFPEKTP--AWESLQGFANIPMD--ESEAGLEGRRLLADPELICKHVLPKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELITPKS--EENFVI-----RQQLF--NVPILSLGIYGTI 750
gi|32411131|ref|XP_326046.1|-----KFMPTAE--KIQORLLKFTINIPYPLD--TSSSGLHARSLSLTSPTQCKVVMKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELITPKS--EENFVI-----RQQLF--NVPILSLGIFFGTI 750
gi|19114848|ref|NP_593936.1|-----RPLEGD--ELQAVRSFADMYPLD--DTPRGKIGKLLAFE--KPEDFVFLKQREGGGNNIYKEDIPGFLESVD--ED--EWSAYILMELITPKS--EENFVI-----RQQLF--NVPILSLGIFFGTI 750
gi|4504169|ref|NP_000169.1|-----MLLPQOPE--AVARLRANFAGLYSLD--LGEEGDAITAEAL--APSFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|73991696|ref|XP_851615.1|-----MLLPQOPE--AVARLRANFAGLYSLD--LGEEGDAITAEAL--APSFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|62752070|ref|NP_001015630.1|-----SFLPQOPE--AVARLRANFAGLYSLD--LGEEGDAITAEAL--APSFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|6680117|ref|NP_032206.1|-----ALLPQOPE--AVARLRANFAGLYSLD--LGEEGDAITAEAL--APSFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|25742757|ref|NP_037094.1|-----ALLPQOPE--AVARLRANFAGLYSLD--LGEEGDAITAEAL--APSFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|118100530|ref|XP_425692.2|-----KLLPQHAE--AVKRIANFAGLYSLD--MGEEGDAITAEAL--APSFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|54400710|ref|NP_001006104.1|-----CFDFDEPE--TVSQIRANFAGLYSLD--LGEEGDAITAEAL--APSFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|24642900|ref|NP_728116.1|-----RFINDPE--ETKAVGKIFVGLYSLD--DNEAGNASVEMALR--TPERFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|28571249|ref|NP_788926.1|-----RFINDPE--ETKAVGKIFVGLYSLD--DNEAGNASVEMALR--TPERFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|158288708|ref|XP_310552.4|-----RFVGDAP--KTEAIRDIFVGLYSLD--REEGGDEAVALALA--DPERFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|17535239|ref|NP_496011.1|-----RFVGDAP--KTEAIRDIFVGLYSLD--REEGGDEAVALALA--DPERFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|145358475|ref|NP_568495.2|-----RFVGDAP--KTEAIRDIFVGLYSLD--REEGGDEAVALALA--DPERFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|115486425|ref|NP_001068356.1|-----REFLNKE--DIAKLRKCFAGLWLD--NEEIVKTALE--KPDLFVFLKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750
gi|124506163|ref|XP_001351679.1|-----KVISLNLNKKKSDQKITKDMTLLKRFALQVDP--SQNINAIHQDANNENLLPKQREGGGNNIYKEDIPAFGLTIP--EE--EWNQYVLMELINPK--LNENVLV-----RQQLF--QEPLISLGIYGTI 750

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gi|50310799|ref|XP_455422.1|-----LFDHNL--NIYSNEYAGWLLRSKFS--SNEGGVAAGFCVDSVVLV----- 803
gi|45185970|ref|NP_983686.1|-----LFSDE--EIVSNDYAGWLLRSKFLPS--SNEGGVAAGFCVDSVVLV----- 803
gi|6324524|ref|NP_014593.1|-----LFNDE--EIVSNDYAGWLLRSKFLPS--SNEGGVAAGFCVDSVVLV----- 803
gi|145608682|ref|XP_369939.2|-----LWNNATGAMLRNEQEGYLLRTKGDQ--SEEGVAAGFCVDSVVLV----- 803
gi|32411131|ref|XP_326046.1|-----LWDQSSGEIKFNEAGYLLRTKGDQ--SEEGVAAGFCVDSVVLV----- 803
gi|19114848|ref|NP_593936.1|-----VWNIKIDDEVVQNGQSGFICRTKPKK--NEGGVATGVASLSSIELSE----- 803
gi|4504169|ref|NP_000169.1|-----VRQKTI--LVMNKHVGHLLRTKAEIHADGGVAAGVAVLDNPPV----- 803
gi|73991696|ref|XP_851615.1|-----VRQKTI--LVMNKHVGHLLRTKAEIHADGGVAAGVAVLDNPPV----- 803
gi|62752070|ref|NP_001015630.1|-----VREGTI--LVMNKHVGHLLRTKAEIHADGGVAAGVAVLDNPPV----- 803
gi|6680117|ref|NP_032206.1|-----VRQGTI--LVMNKHVGHLLRTKAEIHADGGVAAGVAVLDNPPV----- 803
gi|25742757|ref|NP_037094.1|-----VRQGTI--LVMNKHVGHLLRTKAEIHADGGVAAGVAVLDNPPV----- 803
gi|118100530|ref|XP_425692.2|-----VRQGTI--LVMNKHVGHLLRTKAEIHADGGVAAGVAVLDNPPV----- 803
gi|54400710|ref|NP_001006104.1|-----VRKGSSE--LVLNCEVGHLLRTKAEIHADGGVAAGVAVLDNPPV----- 803
gi|24642900|ref|NP_728116.1|-----IGDAEH--IVHNYQAGHMLRTKLS--ANEAGVAAGLGDSPYLLIDSDDEDEQK 803
gi|28571249|ref|NP_788926.1|-----IGDAEH--IVHNYQAGHMLRTKLS--ANEAGVAAGLGDSPYLLIDSDDEDEQK 803
gi|158288708|ref|XP_310552.4|-----IGSKDK--VLYNKQIGHMLRTKLS--ANEAGVAAGLGDSPYLLIDSDDEDEQK 803
gi|17535239|ref|NP_496011.1|-----FGRKDD--APELKTAGHLLRTKPESTAMGGVAAGHAVVDTPFLYEFI----- 803
gi|145358475|ref|NP_568495.2|-----LRSKDE--VIVNEQSGVLMRTKIASDEGGVAAGFCVDSVVLV----- 803
gi|115486425|ref|NP_001068356.1|-----LRNKDK--VVLNQCGLVLMRTKVS--SNEGGVAAGFCVDSVVLV----- 803
gi|124506163|ref|XP_001351679.1|-----LRYKNN--NILLNEQKGYLVRKINY--EKEGGATCGSSLDSPFLYEFI----- 803

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