

gi	262290932	ref	NP_000756.2	-----MDLIPNLAVETWLLLAVSLILLLYGTRTHGLFKKLGIPGPTPLPFLG-----NALSFRKGYWTFDMCEYKRYR--KVGGIYDQCPMLAITDPPMIKTVLVKECYSVFTNRR--PFGP	150
gi	114614865	ref	XP_001141411.1	-----MALIPNLAVETWLLLAVSLILLLYGTHSHGLFKKLGIPGPTPLPFFV-----NVWSFRKGFWTFDMCEYKRYR--KVGWGYDGLQPVLAITDPPMIKTVLVKECYSVFTNRR--PLFG	150
gi	6681115	ref	NP_031845.1	-----MDLIPNFMETWMLLAISLVLLLYGTHSHGIFKRLGIPGPKPLPFLG-----TILAYQGFWECDICCHKYK--KMGWLYDGRQPVLAITDPPDIKTVLVKECYSVFTNRR--RFGP	150
gi	22219436	ref	NP_671739.1	-----MDLIPNFMETWMLLISLVLLLYGTHSHGIFKRLGIPGPKPLPFLG-----TILAYRKGWFEFDKYCHKYK--KLWGLYDGRQPVLAITDPPDIKTVLVKECYSVFTNRR--NFGP	150
gi	48976101	ref	NP_001001751.1	-----MNFLPFFSIETWLLIFVLLIYGTWPFGLFKKLGIPGPRPLPFFG-----TCLEYRKGFLDFDTECFQYK--KIWGLYDGRQPAVVVMDPQIILKTVLVKECYSVFTNRR--RIDL	150
gi	17647309	ref	NP_523850.1	-----MVFVELSIFVAFIGLLLKWSVYTFGYFSKRGVAHEKPIPLLGNIPWSVLMGKESYIKHSIDLHLRLKHKVYGVFNLRDPLYYLSDPELIRVGIKNFDTFNHKKGLITEGND	150
gi	24653207	ref	NP_610820.1	-----MDQSIALALFIFILL-VLLKWSVAKYDVSFERGVSHEKPNWPLIGNIPMAKAMIGGPMKSLKMIIEFLKHTKHTGSPVYGIYALRDAVFFVRDPQLIKLIGIKEDDFHFNHNS--MHNLIQ	150
gi	17647307	ref	NP_523645.1	-----MSFVEICLVLANIGLLFKWSHGTFKAFEGRNLYFEKPPVFLGNLMAASALQ-KASFOKQISEFYNRHRHKLVLGNLRTPMIQINDPMLIKKIKEDDFHFNHNS--LNIIN	150
gi	17737439	ref	NP_523646.1	-----MALIEICLALVVIGYLIYKWSIATFKVFEERKLYFEKPPVFGNMAAALQ-KSSFQRQLTEFYERTRHKLVLGFFNMRTPMIINDPMLIKKIKEDDFHFNHNS--FIISN	150
gi	17536175	ref	NP_496111.1	-----MSLSLLIAGALFGFLTYIWIWSFWIRKGVKGRGPRGPPFG-VILKFDYENPGLLKLGEWTKKYG--SIYGITEGVEKTLVSNPEFVHVFVKQFDNFYGRK--TNP IQG	150
gi	17536177	ref	NP_496112.1	-----MSLSILLAGASFGILLTYIWIWSFWIRKGVKGRGPRGPPFG-VIHEFDYENPGLLKLGEWTKKYG--PIYGITEGVEKTLVSNPEFVHVFVKQFDNFYGRK--TNP IQG	150
gi	17536191	ref	NP_496114.1	-----MSFSILIAIAIAFVGIISYVLWISFWIRKGVKGRGPRGPPFG-VIHKFNVENPGLKLFSEWTKKYG--PVYGITGVEKTLVSDPEFVHVFVKQFDNFYGRK--LTAIQG	150
gi	17536183	ref	NP_496110.1	-----MSLSILIAIAIAFVGFVTYLWISFWMRKGVKGRGPRGPPFG-IINAFQSYEKPPWLLRLGDWTKKYG--PMYGFDTGVEKTLVSDPEFVHVFVKQFDNFYGRK--QNP IQG	150
gi	17536179	ref	NP_496113.1	-----MIFVLLSVAVLLGVFTYSVWISVYIRKGIKGRGPRGPPG-MLIQGLDHNENPPLKRDWTKKYG--PVYGFTEGQPMIISPEPMVNEIFKQFDNFYGRK--LRPIQG	150
gi	17536185	ref	NP_496109.1	-----MSLGFVLAIVTSIFLIGILTYLWIWYMRKGVKGRGPRGPPFG-MSLGFVLAIVTSIFLIGILTYLWIWYMRKGVKGRGPRGPPFG-VLDVLLLEHETPGLIKLGEWTKKYG--KVGVTDTGTRTLVVAADAMVHEIFKQFDNFYGRK--LNPIQG	150
gi	71998720	ref	NP_496085.3	-----MSVILLAIIP-MLFIFGISYVLWITWYRRRGIPLGGLPLVVG-SFKPLKSEYQQLQIRDWTKKYG--PIYGTETGTLKTLVSDIDIVRILFVEQYDNFYGRK--LNPIQG	150
gi	17536187	ref	NP_496108.1	-----MGYFVFPWFSALFVAVFSYIWIWYFWRRRGVVPGMPPVVG-VFLNSLDNNFPLQLCREWTKKYG--KIYGFTEGTLKTLVSDPELVHVFVTKQFDNFYGRK--RNPIQG	150
gi	17553064	ref	NP_499705.1	-----MAIIFLAIL-MSITGVLSFYLVWYKRRRGIAGSPGYPIIG-SALEMLSENPPQLKLEWTKKYG--KVGITTEGLSRTLVSIDPELVHVFVTKQFDNFYGRK--LNPIQG	150
gi	17553062	ref	NP_499704.1	-----MIILLFVV-SSVYIVSYFYWWTWYRRRGGIPGQYPPFG-SALDMMHNPPLQLKKNWTKKYG--KVGITTEGLLRTLVSIDPELVHVFVTKQFDNFYGRK--LNPIQG	150
gi	17536181	ref	NP_496115.1	-----MIFELILISIVTYFVHWTFWKRRLGPGWGVPIFG-KAGAMLEDSPGGYTLQKWTIKYK--KIYGFTEGMRKVMVISIDPELVHVFVTKQFDNFYGRK--HNPVQG	150
gi	17551418	ref	NP_510233.1	-----MGAILVVLVATIAGYFKWIHTWYRRRGGISGPEGLPFTG-NYVDLADVNRPRGLYLNKWTIKYK--KVFGEYEGAVPVVSDMDMLQELFLKQFDNFYGRK--TNHIG	150
gi	71993251	ref	NP_510369.2	-----MGVIVCLVAIGVAGYFKWISYWKRRRGIQGVPLPFTG-SFYDLADVNRPRGFIILNKWTIKYK--KVFGEYEGAVPVVSDMDMLQELFLKQFDNFYGRK--TNHIG	150
gi	85089893	ref	XP_958159.1	MPPTGNPFFNFARILLALLVSLVVKKTSYRHLAISTSLVLAAILANVYFLLAWKLYLYPYVYFHLKFPAPKVVLDLWRVLAERFGKVPVPGQLLELAERIPDNGIILIQGGFGTSMILTKPAPLADILVHHVYDFVKHDA--IRNELR	150



gi	262290932	ref	NP_000756.2	VGFMKN----AISIAEDEWKRIRALLSPTFTSGLKEMVPIIAQYGDVLRNLRREAETGK----FVTLKHVFGAYSMDVITSISFGVNSIDSLNPNODPFVENIKKLL--RFNPLDFFVLSIKVFFPFLFIFLEALNITVFP--RKVI	300
gi	114614865	ref	XP_001141411.1	VGFMKV----AISRAEDEWKRIRALLSPTFTSGLKEMVPIIAQYGDVLRNLRREAETGM----FVTLKHVFGAYSMDVITSISFGVNSIDSLNPNODPFVENIKKLL--RFNSLDFFLISIKVFFPFLFIFLEALNITVFP--RKVI	300
gi	6681115	ref	NP_031845.1	VGILKK----AISISENEWKRIRALLSPTFTSGLKEMVPIIINFIDVLRNMRQGLGEGK----PISMKDIFGAYSMDVITASFGVNSIDSLNPNODPFVEIKKLL--KFDIFDFPLFSVLFPPFLTPVFDALNVSLEF--RDVI	300
gi	22219436	ref	NP_671739.1	VGILKK----AISISEDEWKRIRALLSPTFTSGLKEMVPIIINFIDVLRNMRQGSLEGK----PISMKDIFGAYSMDVITASFGVNSIDSLNPNODPFVEIKKLL--KFDIFDFPLFSVLFPPFLTPFEALNVSMPF--RDVI	300
gi	48976101	ref	NP_001001751.1	AGVLRN----AVSLAEDDQWRKRLRIVLSPFTFTSGLKEMVPMKYFCEMLVNIQKRVKNS----SVPVKDFGFSYSMDVITSISFGVNSIDSMNPKSPFFVREMOKLT--KFDFFDFVFLSFCVCPFLTPMLAKMNISFPF--SDAV	300
gi	17647309	ref	NP_523850.1	TSVISK----SLLSLRDRRWKQMRSTLIPFTSGLKIQMFELIHCNVAEVDVQRQLDAG--TSELELKDFFTRYINDVIATAAFGIQVNSFKDPNNEFFSIGORIS--EFTFWG--GLKVMYLMLPKMLKALRVFVMD--MNNV	300
gi	24653207	ref	NP_610820.1	ESILSK----SLLSLRDRGWKEMRNILIPAFITGSKMRIMVDLISCSSEGVYIHIQEQLELSQ--DASIELEMKDYFRFANDVIATVAFGISINSFRKDNNEFRIGQAMS--RISAWS--VVKAMLYALFRLMKVLRQVLD--TKNI	300
gi	17647307	ref	NP_523645.1	ERLVND----MLNVMRDQHWNRMSVLPVFTSAKMRNMTLMESEFAECLHLEKSSQPIAAGEAFELDMKVLCKLNDVIATVAFGLKVNSEDDPENEFTIIGKTLA--FSRGLP--FLKFMMLLAPKVENFEKLTIFD--STNV	300
gi	17737439	ref	NP_523646.1	DRLFND----MLSVMRDQWRKHMRLIPVFTAAKMRNMTLMESEFAECLHLDSSKTLPEGRKGEVDMKVMCKLNDVIATVAFGLKVNSEDDPENEFTIIGKTLA--FSRGLQ--FFKFMLSILVPEKLSLKLITFD--SAKV	300
gi	17536175	ref	NP_496111.1	DPNKNK----RAHLVLAQCHRWKRRLRILSPTFTSNKSLRKLKIMSVEEIVVELMRHLDEASAKGK----AVDLLDYQEFETMDIIGRIAMGQTESLMFR--NPLPKVKEIF--KKGKMFELFVGFPI--AGTLMRQLFMKFPK--SFAF	300
gi	17536177	ref	NP_496112.1	DPNKNK----RAHLVSAQCHRWKRRLRILSPTFTSNKSLRKLKIMSVEEIVVELMRHLDDASAKGK----AVDLLDYQEFETMDIIGRIAMGQTESLMFR--NPLPKVKEIF--KDGKRLPFLVSGIFPI--ACTMFRFFMRFPK--IQPAF	300
gi	17536191	ref	NP_496114.1	DPNKNK----RVPLVAAQCHRWKRRLRILSPTFTSNKSLRKLKIMSVEEIVVELMRHLDEASAKGK----TLDMLDYQEFETMDIIGRIAMGQTESLMFR--NPLMDKVKEIF--KEGRNVMFISGIFPI--VGIALRNIFAKFPS--LQMAI	300
gi	17536183	ref	NP_496110.1	DPDKDP----RIHLVTSQCHRWKRRLRILSPTFTSNKSLRKLKIMSVEEIVSVAEMMRHLEKGAAGK----TIDILEYQEFETMDIIGRIAMGQSGSMFPE--NPWLDKIRATF--NTRGNIIFIIICGIVPF--TGSIFRWFVSKVPT--AQTVI	300
gi	17536179	ref	NP_496113.1	DPEKDK----RVNIFSTQCHRWKRRLRILSPTFTSNNSLRLKRVNSVQECGTEILWNIEQKVRKNE--DIDMLIVQYETLGVISRIALGQSESNMFK--NPLPKVKQEIF--NGS--WHVFLITGIFPI--LAGVFRKMSKMLPASPIAF	300
gi	17536185	ref	NP_496109.1	NPEKEQ----RVHLLAAQGYRWKRRLRILSPTFTSNASLRLKMKRTVEDSALELLRHIEKQAGGK--QIDMLRFQYETMDVIGRFAMGQDSMMFK--NPIVNVREIF--CGSRKNMLICGVFPI--IGQFIRDLTFKFPK--IPAF	300
gi	71998720	ref	NP_496085.3	DPEKDE----RINLFSAAQGRWKRRLRAISPTFTSNNSLRLKINVTVEDSALELLRHIEEQSEGQ--QIDMLQFYQETMDIIGRIAMGQDSQMFK--NPLPKVRAIF--GDNRKHLPLIGGVFPI--LAQVFRFMLEKFLLAGAEN	300
gi	17536187	ref	NP_496108.1	DSEKEK----RINLFAAQGRWKRRLRAISPTFTSNSSLRKLQTVEDSALELLRHIEEQSAGGK--QIDMLKFQYETMDVIGRIAMGQDSQMFK--NPIIMIVSKLE--CGNFAKFLIGLIFPIFVEIIRQILLKN--LKVGSF	300
gi	17553064	ref	NP_499705.1	DPNKKD----RVNLFSSQCHRWKRRLRILSPTFTSNNSLRLKRLKTVVEECAVELLRHIEQHDGQ--PIDLLDFYQETLIDVIGRIAMGQDSQMFK--NPLLPYVRAVF--GEPKGLFLSGLAPW--IGPILRMVMSLNPVKNPA	300
gi	17553062	ref	NP_499704.1	DPNREK----RVTLSAQCHRWKRRLRIANPTFTSNNSLRLKIQTVEDSALELLRHIEQHDGK--AIDVLEFYQETMDVIGRIAMGQDSLMFK--NPLLPKARDVF--GKPRALFLSGLIFPW--IGPMIRKVVVFYFNVFNPA	300
gi	17536181	ref	NP_496115.1	DPDKDK----DIHIVGAQGRWKRRLRIIAPAFNSGSIKKVLTIMEDSTQELMKLRESENGK--AVNMHLFYQETFDVISRVAWGQDSQMFK--NPLPKDVKGF--EHNKQIWMFSGGFPF--AVSFLKWLFLKVGKFGAGPF	300
gi	17551418	ref	NP_510233.1	NLECSQEPRINLFAARGARWKRRLRALSPAFSVKALQVHEDVMSAINMVDLMKHE-DGK--PFINHAYQETFDVISRVAWGQDSQMFK--NSGVEIVKIF--MRTHRVLVWYFVLPVQPEHVLKRMFNHAAVGGDI	300
gi	71993251	ref	NP_510369.2	NLECSQEPRINLFAARGARWKRRLRALSPAFSVKALQVHEDVMSVFSMVDHMSKQV-NGE--AFNIHEYYQETFDVISRVAWGQDSQMFK--NEGVDIVKIF--LRKNRVYVWYLAVMFPGFENILKNFFNHEAVRGGDV	300
gi	85089893	ref	XP_958159.1	PIILGQ----LVIVEGEQHRFLRKNQPAKFKGHIKELYSIMWTKAIMNHVLEKELREK--NDSVEINAWAGKVLIDIIIGAAFGDFHVLERDHEFLVKNMADLLEPGAKFAVFFLALFLERKVDLFPWEIRRRNRRTSNI	300



gi	262290932	ref	NP_000756.2	SFLTKSVKQIKEGRLKEIQKHR-----* : : : : : * : : : : * : : : : * : : : : * : : : : *	95	450
gi	114614865	ref	XP_001141411.1	SFLTKSVKRIKEGRLEKIQKHR-----VDFLQLMDSQ-----NFKDSETHKALSDLELVAOSIVFIFAGYEITSSVLSFFIIVELATHPDVOQKQVKEIDIVLPNK-----APPYDITVQLDLEVLDMVVNETLR	95	450
gi	6681115	ref	NP_031845.1	SFFTTSVERMKENRMKEKEKQR-----VDFLQLMINSQ-----NYTKKESHKALSDVEIVAOSVIFIFAGYEITSSALSFALYLLAIHPDVOQKLODEIDAAALPNK-----APATYDITLLDQMEVLDMVVNETLR	95	450
gi	22219436	ref	NP_671739.1	DFFKTSVERMKENRMKEKEKQR-----MDFLQLMINSQ-----NSKVKDSHKALSDVEIVAOSVIFIFAGYEITSSALSFVLYLLAIHPDIQKLODEIDAAALPNK-----AHATYDITLLDQMEVLDMVVNETLR	95	450
gi	48976101	ref	NP_001001751.1	DFFMRSIDKIKKDRERETHTGR-----VDFLQMMIESQKS-----DSNGSDAKHSYKALSDIEVLVSOAFIFIFAGYEPISNLSGLYLAQALALHPDVOQKVVNEIDITILPNK-----APLYVEALIMDQLEVLDMAVNETLR	95	450
gi	17647309	ref	NP_523850.1	DFFKKLVFGAMKYR-KEGSIIVR-----PDMIHLLMEARQRFKA-----EORGSAEAAQQDKAEFNDDLLAQCLLFFSAGFEVATCLSFYELMMNPEVQKLLAEILAVKEQLG-----EKPLDVTLMGMKYLNCVVSSELR	95	450
gi	24653207	ref	NP_610820.1	DVFSSLVTAAMRYR-QEHHVTR-----PDMIHLLMEARQORLA-----DL--SDKSDLEYYSSEFADLLEACLLFFFFAGFEIISLSCFLHLECLNPTVQDRLYBEIISVBEELK-----GQPLFYDKLLKMKYLDVMVLEALR	95	450
gi	17647307	ref	NP_523645.1	EFVFRVLVDAMQYR-EKHNITR-----PDMIQLLMEAKN-----ESKDN-----WDDDEIVAQCFIFFFAAFENNSNLICHTTYELLYNPVQERLYEETVETKALN-----GAPLYDAVQKMTYMDMVISSELR	95	450
gi	17737439	ref	NP_523646.1	DVFARLVVEAMQYR-EKHNITR-----PDMIQLLMEAKN-----ESDK-----WDDDEIVAQCFIFFFAAFENNSNLICHTTYELLYNPVQERLYEETVETKALN-----GAPLYDAVQKMTYMDMVISSELR	95	450
gi	17536175	ref	NP_496111.1	G-IMNTMEKALNKRLERAAADKAGIEPGEQDFIDFLFDAR-ANVDFIEESTLGFASKVLELVKDKHLDFDEIIGOLFVFLLAGYDITALSLSYSYLLATHPETIQKLOEVDRECPDP-----EVTFDQISKLLKYMCCVVKEARL	95	450
gi	17536177	ref	NP_496112.1	D-IMSTVEKALNKRLERAADEKAGIEPGEQDFIDFLFDAR-ANVDFIEESALGFASKVLELVKDKHLDFDEIIGOLFVFLLAGYDITALSLSYSYLLARHPETIQKLOEVDRECPNP-----EVTFDQISKLLKYMCCVVKEARL	95	450
gi	17536191	ref	NP_496114.1	D-IQSILEKALNKRLERAADEKAGIEPGEQDFIDFLFDAR-STVDFPEGEAEQDFASKVLELVKDKHLDFDEIIGOLFVFLLAGYDITALSLSYSYLLATHPETIQKLOEVDRECPDP-----EVTFDQISKLLKYLECVVKEARL	95	450
gi	17536183	ref	NP_496110.1	S-LMHTLEIALTKRVERAADEKAGIESGEQDFIDFLFDVQ-ADTDFLEDETKNGFARQIVKVDKHLDFDEIIGOLFVFLLAGYDITALSLSYSYLLARHPETIQKLOEVDRECPDP-----EVTFDQISKLLKYMCCVVKETLR	95	450
gi	17536179	ref	NP_496113.1	K-IFDLLEVAVQARIDQRAKDEIKGVEPGEQDFIDFLFDARVDDVKILSGEANDFASKVVKINKELDFDEIIAQCFLVFLAAGFDITALSLSYAYLLATHPETIQKLOEVDRECPDP-----EVEFDHLKLLKYLECVVKETLR	95	450
gi	17536185	ref	NP_496109.1	K-LYSIMQDVVAARIAQRERE--KGAES-GEQDFIDFLFDARSDVDV-FSARAREDFSKR-NLKITKELSADEVVGCFLFLIGGFDITALSLSYVYLLAVNPKIQEKVIEIAREFGTS-----EVEFEKLGRLKYMDCVVKEARL	95	450
gi	71998720	ref	NP_496085.3	IIVNKTIVTAVQNRIDQRENDKNGIEI-GEQDFIDFLFLARADDVEHF-QENNGDFSKT--SSYGNRQLTQIEIVGCCLVFLIAGFDITALSLSYTFLLATHPETIQKLOEIEIAREFGTS-----SIFFDHLKLLKYMDCVVKEARL	95	450
gi	17536187	ref	NP_496108.1	RKINEIQLDAIHNRIKQREEDQNGIEI-GEQDFIDFLFLAKAEDVEHF-QENNGDFSKT--TTYTNRQLTTEEIVGQCFLVFLIAGFDITALSLSYAYLLATHPETIQKLOEVDRECPNP-----EVTFDQISKLLKYMCCVVKEARL	95	450
gi	17553064	ref	NP_499705.1	VVLRHESNAVEQKRVKLRMADEKAGIDP-GEQDFIDFLFDARSDDDVE--LNNEDDFTKA-GVKVTRQLTTEEIVGQCFVFLIAGFDITALSLSYSYLLATHPKQKLOEVDRECPNP-----EVTFDQISKLLKYMCCVVKETLR	95	450
gi	17553062	ref	NP_499704.1	AQIMYQANAVEQRIKQRMAREKAGIDP-GEQDFIDFLFDARSDDDVE--LNNEDDFTKA-GVKVTRQLTTEEIVGQCFVFLIAGFDITALSLSYSYLLATHPKQKLOEVDRECPNP-----EVTFDQISKLLKYMCCVVKETLR	95	450
gi	17536181	ref	NP_496115.1	IIVQKSVTDAVMSRIAQREADKKGVEP-GEAADYIDMFLNAR-AEVEHF-GESENDFEKS--SSYNNRQLTQIEIISQCFVFLVAGFDITALSLSYVYLLAVNPKIQEKVIEIAREFGTS-----EVEFEKLGRLKYMDCVVKEARL	95	450
gi	17551418	ref	NP_510233.1	EKLLILCKKLVESRIQRENEAKLGFEN--AENDFIDMFLNLY--SEQ--VEDIEFG--STVEKVVTAEDVIGACFVFLLAGFDITANSLAMASYLLAKHPQEMKLAQEEVDITVVGSE--NHSYDDMTKLLYLDVAVRESLR	95	450
gi	71993251	ref	NP_510369.2	GKLLKFCETAVHDLRKEAADNVQGIEN--PNDPNDMFLNLY--IDTNIENDAFG--IKVEKVVTAEDVIGACFVFLLAGFDITANSLAMASYLLAKHPQEMKLAQEEVDITVVGSE--NHSYDDMTKLLYLDVAVRESLR	95	450
gi	85089893	ref	XP_958159.1	RRICAEVREKAAIEKLGDDQ-----FDLILSLIRSN-----NFSEAEELADLLTFLTAGHETSSAFWAWYKLAQDQEMSTLRSRLKRALDFPRFAPQDIAIIEHLPLYLNGVMNETLR	95	450



gi	262290932	ref	NP_000756.2	LFPPVAMR-LERVCKKDVVEING-----MFIPKGVVMIIPSVLHHDPKYVRE-PEKFLPERFSK-----KKNKDNIDPYIYVFFGSGPRNCIGMRFALVNMKVALVRVQLNFSFKPCKEITQIPKLLRFGGLL-TEK	600	600
gi	114614865	ref	XP_001141411.1	LFPPVAMR-LERVCKKDVVEING-----MFIPKGVVMIIPSVLHHDPKYVTE-PEKFLPERFSK-----KKNKDNIDPYIYVFFGNGPRNCIGMRFALNMKVALVRVQLNFSFKPCKEITQIPKLLRFGGLL-PEK	600	600
gi	6681115	ref	NP_031845.1	LVPIAGR-LERVCKTDEVEING-----LFIPKGTIVMIPTEALHKDPKYWPE-PEEFRPERFSK-----KNQDSINPYMILPFGSGPRNCIGMRFALINMKVALVRVQLNFSFKPCKEITQIPKLLRFGGLL-PEN	600	600
gi	22219436	ref	NP_671739.1	LVPIAGR-LERVCKTDEVEING-----VFIPKGTIVMIPTEALHKDPHYWPE-PEEFRPERFSK-----KNQDNINPYMILPFGNGPRNCIGMRFALNMKVALVRVQLNFSFKPCKEITQIPKLLRFGGLL-PEK	600	600
gi	48976101	ref	NP_001001751.1	LVPLGGR-LERTCKRDVEING-----VTIPKGTIVIPYTLHRSPEYWPN-PEEFRPERFSK-----ENKDNIDPYTYLPPFGAGPRNCIGMRFALLTLKVAITAVLQHFVQVCKEITQIPKLLRFGGLL-PEK	600	600
gi	17647309	ref	NP_523850.1	KWPPAFI-VDRMCGSDPQLKDEEGEVVNLREDDLVHINVGALHHDNDNFPE-PEQFRPERFDE-EHKHEIRQPTVLPFFVGQSRSCIGNRLALMEVKSILFQVLVRLHILKFTDRTPADLMSISGFRLLPRE	600	600
gi	24653207	ref	NP_610820.1	KWPPSIS-VDRECRDIDLFDENGKLFSAKRGDVLQIPISLHHDPENFD-PEFFNPERFAD-GHALESR--VYMPFVGPRNCIGNRMALMELKSIVYQLLNLKFLPAKRTSRDLNDRHGLKPKN	600	600
gi	17647307	ref	NP_523645.1	KWTLCAA-ADRLCAKDYTLTDDDEGKLFEEFKAGDNIPIICGLHWDERFFPC-PQRFDPERFSE-RRKKDLIPYTYLPPFGVPRSCIGNRYAVMGAQMLNLMNFKIASPRTTRDMWESARGENIIPPT	600	600
gi	17737439	ref	NP_523646.1	KWTLAAA-ADRLCAKDYTLTDDDEGKLFDFEKVGDRIPIISGLHLDTRYFPE-PRKFDPRFSE-ERKGDVMPYTYLPPFGVPRNCIGNRYALMVKGMPLNLLHYKIEASPRTTRDMWESARGENIIPPT	600	600
gi	17536175	ref	NP_496111.1	MYPLASLVHNRKCMKKNVILG-----VEIDEGTNVQVDTWTLHYDPKVGWGDANEFKPERWET-GDELFVAKGGYLPFGMGPRICIGMRLAMMEKILLHILKKYTFDSTQETIPLKL-VGSAITAPR	600	600
gi	17536177	ref	NP_496112.1	MYPLASLVHNRKCMKKNVILG-----VQIEKGTINQVDTWTLHYDPKVGWGDANEFKPERWES-GDELFVAKGGYLPFGMGPRICIGMRLAMMEKMLLHILKKYTFETSTQETIPLKL-VGSAITAPR	600	600
gi	17536191	ref	NP_496114.1	LVPLASLVHNRKCKTKNVILG-----MEIEAGTNINVDWTLHHDPKVWGDVNEFKPERWES-GDELFVAKGGYLPFGMGPRICIGMRLAMMEKMLLNILKKNYTFETPETIPLKL-VGTAITAPS	600	600
gi	17536183	ref	NP_496110.1	LVPLASLVHNRKCMKKNVILG-----MKIEBGTINQVADTWTLHYDPKFWGGENANEFKPERWES-GDEQAVAKGAYLPFGLGPRICIGMRLAYMEKMLLAQILKYSLETFETHIPLKL-VGIATITAPT	600	600
gi	17536179	ref	NP_496113.1	LVPLGTANTRKCMREITVING-----VNFDEGMNIQVDTWTLHHPRIINGEDVEDFKPERWENG-ACEHLEHNGSYIPFGSGPRQICIGMRLAQMEQKILLAQILKEYSFRITKNTIPLVKL-VGKLLSPE	600	600
gi	17536185	ref	NP_496109.1	LVPLASISNSRCKMKTIVNG-----VKIEAGVYVQMDWTLHYDPELWGDVNEFKPERWES-TDEPLEHKGAYLPFGLGPRQICIGMRLAIMBQKILLHLLKNYTFETGNKTRIPKL-VGSAITISPE	600	600
gi	71998720	ref	NP_496085.3	LVPLGTANSRCKMKTIVNG-----VEVEVGTMIQVDTWTLHHTDKINGDDAEFKPERWLD-NCDQVFOKGGYIPFGLGPRQICIGMRLAYMEKMLLAHILKRYTFEIGAKTEIPLKL-VGRATIQPE	600	600
gi	17536187	ref	NP_496108.1	LVPLGAFANSRCKMRAIKLGN-----MKVEVGTMIQVDTWTLHHTDNINGDDAEFKPERWLD-NSQIIOKGGYIPFGLGPRQICIGMRLAYMEKILLVHILKRYTFEIGAKTEIPLKL-VGRATIQPE	600	600
gi	17553064	ref	NP_499705.1	MYPLGALANSRCKMRAIKLGN-----VEIDEGTNILCDTWTLHSDRSIWGEDAEFKPERWESG-D-EHFVQKGGYIPFGLGPRQICIGMRLAYMEKLLSHILKRYTLEVCNKTIPLKL-IGSRITQPE	600	600
gi	17553062	ref	NP_499704.1	MYPLGALANSRCKMRSIKLGN-----VEIEKGVDTILCDTWTLHYDKSIWGEDAEFKPERWESG-D-EHFVQKGGYIPFGLGPRQICIGMRLAYMEKLLSHILKRYTLEVCNKTIPLKL-IGSRITQPE	600	600
gi	17536181	ref	NP_496115.1	LVPPVAVFACSRCCMRNVIIGE-----QIVEAGVDMIDTWTLHHDKNVWGDVNEFKPERWDS-PLPQQAIVSFGAGPRVCLGMRFALLEQKGLLSHILKRYTFETNAKTQIPKL-VGRANARPE	600	600
gi	17551418	ref	NP_510233.1	LVPPVAVFACSRCCVCAITLGD-----TYIDKGVKIEADVMSLHRSKIEINGENADDFVPERWLE-PSSRHTMSWIPFGAGPRQICIGMRLGLSEAKTALAHLLRRFDVAGVETEKELNI-LGCTITISPE	600	600
gi	71993251	ref	NP_510369.2	LVPPVAVFACSRCCVCAITLGN-----YIEKGVKIEADVMSLHRSKIEINGENADDFVPERWLE-PSSRHNMSWIPFGAGPRQICIGMRLGLSEAKTALAHLLRRFSILAGPKTEKELNI-QGCTITISPE	600	600
gi	85089893	ref	XP_958159.1	LVPPVPMIVRTATCDTIVLGH-----PIKKGTEIMISPLNINRYSDNPSASTEFVPERWIDEGKHIAEDGEPQKPNNTGGVSNYAQMTFLHGPRSCIGQGFAKAELRCLLATFVLAPEWKLGMDEKVDVDPGVITIKPNNGM	600	600



gi	262290932	ref	NP_000756.2	P	I	V	L	K	A	E	S	R	D	E	T	V	S	G	A	616
gi	114614865	ref	XP_001141411.1	P	I	V	L	K	V	E	S	R	D	G	T	V	S	G	T	616
gi	6681115	ref	NP_031845.1	P	L	L	L	K	V	V	S	R	D	E	T	V	S	D	E	616
gi	22219436	ref	NP_671739.1	P	L	L	L	K	V	V	S	R	D	E	T	V	N	G	A	616
gi	48976101	ref	NP_001001751.1	P	I	V	L	K	L	V	P	R	T	N	T	A	K	A	616	
gi	17647309	ref	NP_523850.1	L	F	W	C	K	L	E	S	R	G	P	A	---	---	---	616	
gi	24653207	ref	NP_610820.1	G	F	W	L	K	F	E	A	R	Q	---	---	---	---	---	616	
gi	17647307	ref	NP_523645.1	G	F	W	M	Q	L	V	S	R	K	---	---	---	---	---	616	
gi	17737439	ref	NP_523646.1	G	F	W	M	H	L	V	P	R	K	---	---	---	---	---	616	
gi	17536175	ref	NP_496111.1	N	V	M	L	K	L	T	P	R	H	S	N	---	---	---	616	
gi	17536177	ref	NP_496112.1	S	V	M	L	K	L	T	P	R	H	S	N	---	---	---	616	
gi	17536191	ref	NP_496114.1	S	V	L	L	K	L	K	S	R	F	---	---	---	---	---	616	
gi	17536183	ref	NP_496110.1	N	V	H	L	K	L	K	P	R	H	S	D	---	---	---	616	
gi	17536179	ref	NP_496113.1	S	V	I	V	K	L	E	P	R	D	S	---	---	---	---	616	
gi	17536185	ref	NP_496109.1	D	V	F	V	H	L	R	P	R	I	W	---	---	---	---	616	
gi	71998720	ref	NP_496085.3	T	V	W	M	H	L	K	Q	R	I	---	---	---	---	---	616	
gi	17536187	ref	NP_496108.1	S	V	W	M	H	L	N	P	R	N	---	---	---	---	---	616	
gi	17553064	ref	NP_499705.1	S	V	W	L	N	L	T	P	R	D	D	N	---	---	---	616	
gi	17553062	ref	NP_499704.1	S	V	W	L	N	L	T	P	R	D	D	N	---	---	---	616	
gi	17536181	ref	NP_496115.1	N	L	F	L	S	L	K	P	R	V	---	---	---	---	---	616	
gi	17551418	ref	NP_510233.1	A	V	T	L	Y	L	K	P	R	I	---	---	---	---	---	616	
gi	71993251	ref	NP_510369.2	K	V	T	V	H	L	M	T	R	D	---	---	---	---	---	616	
gi	85089893	ref	XP_958159.1	H	L	L	R	S	L	D	G	H	Q	K	G	---	---	---	616	
				610														

