

MM

>P10242 no signal peptide

MARRPRHSIYSSDEDEDFEMCDHDYDGLLPKSGKRHLGKTRWTREDEKLLKLVQNGTDDWKVIANYLPNRDQVQCQHRWQKVLNPELIKGPWTKKEED

MM

>P10244 no signal peptide

MSRRTRCEDLDELHYQDQDSDVPEQRDSKCKVKWTHEEDELRLALVRQFGQQDWKFLASHFPNRTDQQCQYRWLRVLPDLVKGPWTKKEEDQKVIELVKK

MM

>P10275 no signal peptide

MEVQLGLGRVYPRPPSKTYRGAFQNLQFSVREVIQNPGRHPEAASAAPPASLQLLQQQQQQQQQQQQQQQQQQQQQETSPPRQQQQQGGEDGSPQAHRR

MM

>P10276 no signal peptide

MASNSSSCTPTGGGHLNGYPVPPYAFFFPMLGGLSPPGALTTLQHQLPVSQYSTPSPATIEQSSSSEEIVPSPSPPLPRIYKPCFVCQDKSSGYHY

MM

>P10284 no signal peptide

MAMSSFLINSNYVDPKFPPEEYSQSDYLPSDHSPPGYAGQRRESGFQPEAAFRRAPCTVQRYAACRDPGPPPPPPPPPPPPGLSPRAPVQPTAGA

MM

>P10289 no signal peptide

AFTGKYEIESEKNYDEFMKRLALPSDAIDKARNLKIIEVKQDQGNFTWSQQYPGGHSITNTFTIGKECDIETIGGKKFKATVQMEGGKVVVNSPNYHHT

MM

>P10365 no signal peptide

MEEEVAALVIDNGSGMCKAGFAGDDAPRAVFPISIVGRPRHHGIMIGMGKDSYVGEAQSKRGVLSLRYPIDIEHGVVTNWDDMEKIWHHTFYNELRVAPEE

MM

>P10412 no signal peptide

SETAPAAPAAPAPAEKTPVKKKARKSAGAAKRKASGPPVSEELITKAVAASKERSGVSLAALKKALAAAGYDVEKNNSRIKLGKSLVSKGTLVQTKGTGA

MM

>P10463 no signal peptide

MDAVDATVEKLRACLRSRGLGIQGLARFFRRLDRDRSRSLDSRELQRGLAELGLVLDTAEAEGVCRWRDRDGSGLDLEEFRLALRPPMSQAREAVIAA

MM

>P10490 no signal peptide

MSTVKLDRLLTSIDAQLRLLAPKKVSEDDKLI EYDALLLDRFLDILQNLHGEDIKETVQELYEQSAEYERTHDPKLEELGSMVTSLDAGDSIVVAKFSH

MM

>P10505 no signal peptide

MTDRLKCLIWYCIDNQYDINSIFYSERLHAIEDSNESLYLLAYSHFLNLDYNI VYDLDLDRVISHVPCTYLFARTSLILGRYKQGISAVEACRSNWRSIQP

MM

>P10508 no signal peptide

MGIAKQSCDCCRVRVKCDRNKPCNRCIQRNLNCTYLQPLKRGPKSIRAGSLKKAIEVQMVSMNNNIMAAPVVKKVPKNLIDQCLRLRLYHDNLYVIW

MM

>P10575 no signal peptide

AQAFVNSKIQPGKVVVFIKPTCPYCRKTQELLSQLPFFKQGLLEFVDITAAAGNISEIQDYLLQQLTGARTVPRVFIGQECIGGCTDLVNMHERGELLRLKQ

MM

>P10627 no signal peptide

MMSARSVSPKVLDDISYKPTLPNIMELQNNVIKLIQVEQQAYMQSGYQLQHQQHLHSHQHQQHQQHQAQYAPLPSEYAAAYGITELEDTDYNIIPSNEV

MM

>P10629 no signal peptide

>P27790 no signal peptide
 MGPKRRQLTFREKSRIIQEVEENPDLRKGEIARRFNIIPPSTLSTILKNKRAILASERKYGVASTCRKTNKLSPYDKLEGLL IAWFQQIRAAGLPVKGIIL
 MMM

>P27864 no signal peptide
 MPRVKAVKKQAEALASEPTDPTPNANGNGVDENADSAAEELKVPAKGKPRARKATKTAVSAENSEEVEPQKAPTAVARGKKKQPKD TDENGQMEV VAKPK
 MMM

>P27879 no signal peptide
 DPFSLDVWDPFKDFPFPTNSALSASSFPQENSAFVSTRIDWKETPEAHVFKADL PGLKKEEVKVEIEDDRV LQISGERNVEKEDKNDQWHRVERSSGKFMR
 MMM

>P27880 no signal peptide
 MSLIPSF FGGRRSNVDFPFLDVWDPFKDFPFNNSALSASFREN SAFVSTRVDWKETPEAHVFKADLPGMKKEEVKVEIEDRV LQISGERSVEKEDKN
 MMM

>P27891 no signal peptide
 MATPRS AKKAVRKSGSKSAKCGLIFPVGRVGGMMRRGQYARRIGASGAVYLA AVEYLTAELLELSVKAAAQSGKKRCLNPR TVMLAARHDDDIGTLLK
 MMM

>P27921 no signal peptide
 METPFYHDDVLSGLSGSFAPTSGSSGLLLPFP GGSMMK KDALGLLALPEQVAAAL KAPGAAAAAAGGEATAGLLGSP EMGMLKLSPELERLI IQSNG
 MMM

>P27925 no signal peptide
 MESGAENQQSGDAAVTEAESQQMTVQAQPQ IATLAQVSMPAAHATSSAPT VTLVQLPNGQTVQVHGV I QAAQPSVIQSPQVQTVQISTIAESED SQESVD
 MMM

>P27999 no signal peptide
 MTTFRFCRDCNNMLYPREDKENRLLFCERTCSYVEEAGSPLVYRHELITNIG ETAGVVQDIGSDP TLPRSDRECPKCHSRENVFFQSQR RKDTSMVLF
 MMM

>P28000 no signal peptide
 MTEDIEQKKTATEVTPQEPKHIQE EEEQDVDMTGDEEQE EEPDREKIKLLTQATS EDGTSASFQIVEEDHTLGNALRYVIMKNPDVEFCGYSI PHPSEN
 L
 MMM

>P28004 no signal peptide
 MFSNRLPPP KHSQGRVSTALSSDRVEPA I L TDQIAKNV KLD DFI PKRQSNFELSVP LPTKAEIQ ECTARTKSYI QRLVNAKLAN SN NRASSRYVTETHQA
 MMM

>P28011 no signal peptide
 MASQNITPSPTASSDSVFAHLVRAPEDP I LGVTVA YNKDPSPIK LNLG V GAYRTEEGKPLVLDV VRRVERQL LNDMSRNKEYIPIVGLADF NKLSAKLI F
 MMM

>P28023 no signal peptide
 MAQSKRHMYNRTPSGSRMSTEASARPLRVGS RVEVIGKGHRGTVAYV GATL FATGK WGVILDEAKG KNDGTVQGRKYFTCDEGHGIFVRQS QIQVFEDG
 L
 MMM

>P28033 no signal peptide
 MHRLLAWDAACLPPPPAAFRPMEVANFY EPDCLAYGAKAARAAPRAPA EPAIGEHERA IDFSPLYLEPLA PAADFAAPA PAHDF LSDLFAD DYGAKPS
 L
 MMM

>P28040 no signal peptide
 MRKRNAGIKPSQRFAELRALRQAGKTRASTY ES KENEELYDNVSE E EYRKIVRQRLDEDDF VVDDNGAGYVDNGYDEWDQSHYSDEDDEN EKSSGRKRK
 L
 MMM

>P28069 no signal peptide
 MSCQAFTSADTFIPLNSDASATLPLIMHHSAAECLPVSNHATNVMSTATGLHYSVP SCHYGNQPS TYGVMAGSLTPCLYKFPDHTLSHGFPPIHQ PLLAE
 L

>P29144 no signal peptide
ATAATEEPFFHGLLPKKETGAASFCLCRYPEYDGRGVLIAVLDTGVDPGAPGMQVTTDGPKIVDI IDTTGSGDVNTATEVEPKDGEIVGLSGRVLKIPA
MM
>P29174 no signal peptide
FGFINYEVGDSKCLFFHVKEVQDGIELQAGDEVFVSVILNQRRTGKCSACNVWRVCEGPKAVAAPRPDRLVNLKKNITLDDASAPRLMVLQRPRGPDNSMG
MM
>P29193 no signal peptide
MARNAVDKATSIDAQLRL LAPQKLSDDDKLVEYDALLLDRFLDILQDLHGEDI RETVQECYELAAEYENKLDPKMLDEIGNVLTSLDPGDSIVITKSFH
MM
>P29195 no signal peptide
MFERHQSIDAQLRL LAPGKVS EDDKLVEYDALLVDRFLDILQDLHGPHLREFVQECYELSAEYENDRDEARLGELGSKLTS LPPGDSIVVASSFSHMLNL
MM
>P29219 no signal peptide
MEDRWQECMDFLAVSIARKAGSVVCAALKEDV SIMVKTSLAPADLV TATDQKVEEMI ISSIKEKYP SHSFIGEESVAAGAGSTLTDNPTWI IDPIDGTTN
MM
>P29258 no signal peptide
MDTKTQSLPNAHTQPHSNSGPQSHACNQCSCHHCQNCQSQRDRSQRCSRSSSSQSPTGHRSLPGHQSLSPSPSRHRKRAMHSHRCPSRPGRTRCS
MM
>P29303 no signal peptide
MVTGITTMTSPNVLTAVVSTQQQQQQHKEAPIKSDRRSNKP IMEKRRRARINNCLNELKTLILDATKKDPARH SKLEKADILEKTVKHLQELQRQAA
MM
>P29315 no signal peptide
MSLDIQCEQLSDARWTELLPLIQYQVVRLLDDCGLTEVRC KDIRSAIQANPALTELSLRTNELGDAGVGLVLQGLQNPTCKIQKLSLQNCSLTEAGCGVL
MM
>P29331 no signal peptide
MELLSPPLRDVLTGPDGSLCNFATADDFYDDPCFDS PDLRF FEDLDPRLVHV GALLKPEEHSHPAAAH PAPGAREDEHVRAPSGHHQAGRCLLWACKA
MM
>P29349 no signal peptide
MSSRRWFHPTISGIEAEKLLQE QGDFGSLARLSSNPGAFTLSVRRGNEVTHIKIQNNGDFFDLYGGEKFATLPELVQYYMENGELKEKNGQAI ELKQP
MM
>P29350 no signal peptide
MVRWFHRDL SGLDAETLLKGRGVHGSFLARPSRKNQGD FLSVRVGDQVTHIRIQNSGDFYDLYGGEKFATLTELVEYTTQQQGVLDQRDGTI IHLKYPL
MM
>P29356 no signal peptide
MTAYRGKYADELIANASYIATPGKVILA ADESTGTIGKRFP SINVENVESNRRALRELLFTTPGALPYLSGVILFEETLYQKTADGKPFVDAMKDGGVLP
MM
>P29381 no signal peptide
MEEGSSSHDAESSKLG R GKIEIKRIENTNTRQVTFCRRNGLLKKAYELSVLCDAEVALVIFSTRGRLYEYANNSVRGTIERYKACSDAVNPPSVTEA
MM
>P29382 no signal peptide
MGRGRVELKRIENKINRQVTF AKRRNGLLKKAYELSVLCDAEVALIIFSNRGKLYEFCSSSNMLKTLDRYQKCSYGSIEVNKPAKELENSYREYLKLG
MM
>P29384 no signal peptide
MGRGRVELKRIENKINRQVTF AKRRNGLLKKAYELSVLCDAEVS L I VFSNRGKLYEFCSTSNMLKTLERYQKCSYGSIEVNKPAKELENSYREYLKLG

>P30757 no signal peptide
 PPKPSAKGAKKAASKAKAARTGDKKRRKRRKESYSYIYIKVLKQVHPDTGISSKAMSIMNSFVNDIFERIAAEASRLAHYNRRSTITTSREIQTAVRLLLP
 MMM

>P30792 no signal peptide
 MGSSGFSWTLDPDHPKLPKGGKSVAVVVLWDGWEANPDQYNCIHVAQTPVMDSLKNGAPEKWLRLVKAHGTAVGLPSDDDMGNSEVGHNALGAGRIFAQGAKL
 MMM

>P30838 no signal peptide
 MSKISEAVKRARAFASSGRTRPLQFRIQQLEALQRLIQEQEQELVGLAADLHKNEWNAYYEYVYVLEEIEYMIQKLPWAADPEVEKTPQTQQDELYI
 MMM

>P30985 no signal peptide
 MDEKGGTTSWGTSGQPSYSDSRGFTDSPHYSDHLNDSRKGTHEGLSPTPFNSNLIGKTSGRGSFSLYSRDSGLSGCQSSLLRQELGLGSPAQLSSSGK
 MMM

>P31008 no signal peptide
 MLEAKLNNASILKKLFECIKDLVNDANVDADESLKQLQALDGNHVSLSLHLLDSGFSHYRCDRERVLGVNIASLNKVFKLCGANESVVISSKDEDEDNLN
 MMM

>P31209 no signal peptide
 MPSTDLKKQADAIVESDVNTNNEAVESSTKEESSNTPSTETQPEKKAEEPEAAAEPSESTSTPTNASSVATPSGTAPTASASLYVGELDPSVTEAMLFELF
 MMM

>P31246 no signal peptide
 MNYEFEREIGFINSQPSLAELCTSFPPVADTFQSSSIKTSTLSHSTLIPPPFEQTIPLSNPGSHPRQSAGAGGRPKSSPAGSRGSPVFPARALQPPEYPWM
 MMM

>P31247 no signal peptide
 SKRARTAYTSAQLVELEKEFHFNRYLCRPRRVEANLLNLSEKIQIKIWFQNRMMKYKKDQ
 MMM

>P31249 no signal peptide
 MQKAAYYENPGLFGGYGYSKTTDTYGYSTPHQPYPPPAASSLDTDYPGSACSIQSSAPLRLAPAHKGAELNGSCMRPGTNSQGGGGGSQPPLNSEQQP
 MMM

>P31258 no signal peptide
 MMDFDERVPSSNMYLPSCITYYVSGPDFSSLPSFLPQTPSSRPMTYSYSSNLPQVQPVREVTFREYAI DPSSKWHPRNNLPHCYSAEEIMHRDCLPSTTT
 MMM

>P31259 no signal peptide
 MDNTRMNSFLEYAICNRGTGAYHHLQSSPSFPCSCGSPSDTFHGEYAGAGGSPVAAAHLPPQSPGFPPAPPAPSLRGRCPERRVNPVKLQPRLRHH
 MMM

>P31260 no signal peptide
 MSCSESPAANSFLVDSLISGRGEAGGGGGAGGGGGGGYAHGGVYLPAAADLPYGLQSCGLFPTLGGKRNEAASPGSGGGGGGLPGAHGYGPSPIDL
 MMM

>P31261 no signal peptide
 GSRRLRTAYTNTQLELEKEFHFNKYLCRPRRVEIAALLDLTERQVKVWFQNRMMKHKRQTQCKENQNGEGKKGLEEGDRSEDEEEKAL
 MMM

>P31263 no signal peptide
 MTEFDGCTNGATNMYLPGCAYVSPSEFSTKTSFLSQGSSCPVTFPYSSNLPVQPVREMAFREYGWRRSKWQYRGSYPSYYPSEEVVARDFIQPSNRRS
 MMM

>P31264 no signal peptide
 MQEVCSSLDTTSMTGTQIKSESPLNPLQVQTGQTSLPVGGCGAGVGVGVGVSVGQPGIGQQGVPPVPSVLMVNMTPNCDKRSADTAYWMTASEGGF

>P32086 no signal peptide
 MNFLEQDQLFLENINQDNVVSAYHTSEYDNNEKEKSDDLKKNKLVHKNISLNIHNI ISSANLCIDINLRLVAVSIRNAEYNPSKINTLI IRLNKPQCTALI
 MMM

>P32115 no signal peptide
 MQQDGLSSVNQLGGLFVNGRPLPLDTRQQIVQLAIRGMRPCDISRSLKVSNGCVSKILGRYYRTGVLEPKCIGGSKPRLATPAVVARIAQLKDEYPALFA
 MMM

>P32182 no signal peptide
 MLGAVKMEGHEPSDWSSYYAEPEGYSSVSNMNASLGMNGMNTYMSMSAAAMGSGSGNMSAGSMNMSYVVGAGMSPSLAGMSPGAGAMAGMSGSGAGAAGVA
 MMM

>P32186 no signal peptide
 MGKEKNHVNVVVIGHVDSGKSTTTGHLIYKCGGIDKRTIEKFEKEAAELGKGSFKYAWVLDKLKAERERGITIDIALWKFPKYYVTVIDAPGHRDFIK
 MMM

>P32233 no signal peptide
 MSGTLAKIAEIEAEMARTQKNKATAHHLGLLKARLAKLRRELITPKGGGGGGPGEFVDVAKTGDARIGFVGFPSVGKSTLLSNLAGVYSEVAAYEFTTLT
 MMM

>P32259 no signal peptide
 MMLGEHLMSWSKTGIIAYSQSNNANICLTFLESINGINWRFHTPQKYVLHPQLHEVQYQESSSTLSTHSTTTSVNGSTTAGVGSTPNFGGNSNKSPQP
 MMM

>P32264 no signal peptide
 MKDANESKSYTIVIKLGSSSLVDEKTKPKLAIMSLIVETVVKLRRMGHKVIVSSGGIAVGLRTRMRMNRPKHLAEVQAI AAIQGRLLIGRWDLLFSQF
 MMM

>P32288 no signal peptide
 AEASIEKTQILQKYLELDQRGRIIAEYVWIDGTGNLRSKGRITLKKRITSIDQLPEWNFDGSSTNQAPGHSDIY LKPVAYYPPFRRGDNIIVVLAACYNN
 MMM

>P32289 no signal peptide
 MSLLSDLINLNLSDTTEKIIAEYIWIWIGSGGLDLR SKARTLPGPVSDPSKLPKWNVDGSSTGQAPGEDSEVI IYPQAIKFDPFRRGNNILVMCDAYTPAGE
 MMM

>P32316 no signal peptide
 MTISNLLKQRVRYAPYLKVKKEAHELIPLFKNGQYLWGSFGFTGVGTPKAVPEALIDHVEKNLQGLKRFNLFV GASAGPEENRWAEHDMI IKRAPHQVGK
 MMM

>P32324 no signal peptide
 MVAFTVDQMRSLMDKVTNVRNMSVIAHVHDHGKSTLTDSLVRAGIISA AKAGEARFTDTRKDEQERGITIKSTAI SLYSEMSDEDVKEIKQKTDGNSFLI
 MMM

>P32338 no signal peptide
 MSPCYGQNSAIAKGSWNREVLQEVQPIYHWHDFGQNMKEYSASPLEGDSSLPSLPSSTEDCLLL SLENTITVIAGNQRQAYDSTSSTEETAPQLRPDE
 MMM

>P32347 no signal peptide
 MGNFPAPKNDLILRAAKGEKVERPPCWIMRQAGRYLPEYHEVKNNRDFQOTCRDAE IASEITIQPVRRYRGLIDAAIIFSDILVIPQAMGRVEMLEGK
 MMM

>P32349 no signal peptide
 MDELLGEALSAENQTGESTVESEKLVTPEDVMTISSLEQRTLNPDLFLYKELVKAHLGERAASVIGMLVALGRLSVRELVEKIDGMDVDSVKTTLVSLTQ
 MMM

>P32362 no signal peptide
 NGLGLQNFPELKNDFLRAAWGEETDYTPVWC MRQAGRYLPEFRETRAAQDFDSTCRSPEACCELTLPEVRRFPLDAAIIFSDILVVPQALAMEVTMVP
 G

>P33308 no signal peptide
MNLQNNVLNQHILPNTNPTLDKPNAEATKEEFSSAENRDEKDYLTNQPKNLSTPSTSSNGEFIPHIFYSLHQIRKDPNLSNQLLETLTGSIRHRLKLM
MM

>P33331 no signal peptide
MSLDNFNTLAQNFTQFYYNQFDTDRSQLGNLYRNESSLTTFETSQQLGAKDIVEKLVSLPFQKVQHRITTLDAQPASPNGDVLVMITGDLLIDEEQNPQRFSS
MM

>P33334 no signal peptide
MSGLP PPPPGFEEDSDLALPPPPPPPGYEIEELDNMPVPSVNEEDTFLPPPPPPPSNF EINAAEIVDFTLPPPPPPGLDELETKAEKKVELHGKRKLLD
MM

>P33339 no signal peptide
MAAGKLLKKEQQNSAERESADTGVNDEDEEHLYGNIDYKHLIQDEEYDDEDVPHDLQLSEDEYNSERDSSLLAEFSDYGEISEDDEEDFMNAIREASN
MM

>P33431 no signal peptide
ATKAVCVLKGDPVQGIIHFQEKGANGPVVVKGRITGLVEGKHGDFHVEFGDNTQGCTSAGPHFNPLSKKHGGPQDEERHVGDLGNVTAGADGVANVSIED
MM

>P33444 no signal peptide
AVGKNKRISKGKKGKKAADPFACKDWYDIKAPSVFSVRNVGKTLVTRTQTGKIASEGLEHRVFEISLADLQGEDHDSFRKIRLRAEDIQKKNVL TNFW
MM

>P33568 no signal peptide
PEDDPAQSDPEELPLIRLEFEKIEEPEFIALCQKLVKVPDHRERAWLTWEKVSSVDGILEGYIQKKKELWGICIFIAAVDLDMPFTFTELOKSIETSV
MM

>P33751 no signal peptide
MLLFPRRTNIAFFKTTGIFANFPLLGRTITTSPSFLTHKLSKEVTRASTSPRPKRIVVAITGATGVALGIRLLQVLKELS VETHLVI SKWGAATMKYET
MM

>P33778 no signal peptide
PEPSKSAPAPKKGSKAITKAQKKGKRRKR SRKESYSIYVKVLKQVHPDTGISSKAMGIMNSFVNDIFER IAGEASRLAHYNKRSTITSREIQTAVRL
MM

>P33992 no signal peptide
MSGFDDPGIFYSDSFGGDAQADEGQARKSQLRRFKEFLRQYRVGTDRGTFTFKYRDELKRHYNLGEYWIEVEMEDLASFDEDLADYLYKQPAEHLQLE
MM

>P34021 no signal peptide
MKRRWSNNGGMRLPEESSSEVTSSSNLGLVPSGVNMSPSLSDSHDYCDQDLWLCGNEGSFGGSNGHGLSQQQSVITLAMHGCSSTLPAQTTIIPING
MM

>P34058 no signal peptide
PEEVHHGEEVEVETFAFQAEIAQLMSLIINTFYSNKEIFLRELISNASDALDKIRYESSLTDPSKLDGKELKIDIIPNPQEATLTLVDTGIGMTKADLINN
MM

>P34060 no signal peptide
MSDFILKKSFFPEQRFDGENFLGSRQGYEAATFPERPEVSLCPESRGAELEKDSTLPDHCPGQCLPWACKICKRKTVSIDRRRAATLREKRRLLKVVNE
MM

>P34072 no signal peptide
MSREAFDVPNIGTNKFLKVTNLF TPERLNLFDDELVELYTLIKASKC VEQGERLHNISWRILNKAVLKEHNINR SKKRDGVKNIIYVLPNPNKQPIKPKQ
MM

>P34088 no signal peptide
MAVSCTPTLGLSSAPDEIQHPHIKFSEWKFKLFRVRSFEKTT EENQKEKNSSEGGKPSLEQSPAVL DKASGQKPEVAPPAPFKVHPKFSKKFHDDGKARDKA

>P34924 no signal peptide
 MGSTGKIKIGINGFGRIGRLVARVALTRDDIELVGVNDPFISTDYMSYMFKYDSVHGKWKHHEVNVKDSKTLFLFGEKSVAVFGCRNPEEIPWGEVGAEEV
 MMM

>P34937 no signal peptide
 GRKFFVGGNWKCNGTVEQVEAIVQTLNAGQIVSPDVVEVVSPPYVFLPIVKAKLRPEIQVAAQNCWVKKGGAFTEGEVSAEMLANLGVVWVILGHSERRS
 MMM

>P35060 no signal peptide
 MTETTSAPKPKVSKPKAKPTHPTSVMVMAAIKALKERNGSSLPAAIKKYIAANYKVDVVKNAHFICKALKSLVEKKLVQTKGAGAGSGSFKLAAAKAEK
 MMM

>P35061 no signal peptide
 SGRGKGKAQGTKSKSRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYMAAVLEYLTAELLAGNAARDNKKSRIPRHLQLAVRNDDEELNKLKLAGVT
 MMM

>P35062 no signal peptide
 SGRGKQGGKARAKAKSRSSRAGLQFPVGRVHRLRKGNYAERVGAGAPVYLAAVLEYLTAELLAGNPARDNKKTRIPRHLQLAIRNDEELNKLKLGKV
 MMM

>P35063 no signal peptide
 MSSSGAKGGRGKAKSTKSVRSQKAGLQFPVGRIARFLKAGKYAERVGAGAPVYLAAVLEYLAEEVLELAGNAARDNKKNRIVPRHIQLAVRNDDEELSKL
 MMM

>P35067 no signal peptide
 MAPKVRAAKKGEKRVGKAKSGTAETAKRRRGRKESYAIYIKVLKQVHPTDGISSKAMGIMNSFVNDIFERIAVESSRLSLYNKKATISSREIQTAIRL
 MMM

>P35068 no signal peptide
 PKVSGKAAKAGKAQKNITKGDKKNRKRKESYAIYIKVLKQVHPTDGISSKAMSIMNSFVNDIFERIASEASRLAHYNKRSTITSREIQTAVRLLLLP
 MMM

>P35084 no signal peptide
 AMGGREGLIDTAVKTSETGYIQRCLVKAMEDVSIKYDATVRNSLGDVIFQFAYGEDGIDGCFVENQSIDSRLKDNTELERMYRHQVDKPDYGDGWDPLVI
 MMM

>P35123 no signal peptide
 MAEGRGSRERPDETQKTELGALMGTTLQGAQWYLIDSRWFQWKKYVGFDSWDMYVNGEHNLFPGPIDNSGLFSDPESQTLKEHLIDELDYVLVPAEA
 MMM

>P35143 no signal peptide
 MAPIKVGINGFGRIGRIVFRNAIEHPEVEIVAVNDPFIETKYAAAYMLKYDSTHGIFNGEIKQEGNDLVINGKTVKIFYTERDPAAIPWKETGADYVVESTG
 MMM

>P35177 no signal peptide
 MTERIPIKINYQRTNAKALLKLTEKLFNKNFFDLYLTSQQLVVLEYLLSISSEEDKCLKAWDYFLKGNIALNVEKSFPLTQEEHHGAVSPAVDTRSDDVSS
 MMM

>P35187 no signal peptide
 MVTKPSHNLRREHKWLKETATLQEDKDFVFQAIQKHIANKRKPKNPPTTPSKDECGPGTTFITSI PASGPTNTATKQHEVMQTLSDNTEWLSYATASN
 MMM

>P35189 no signal peptide
 MVATVKRTIRIKTQQHILPEVPPVENFPVRQWSIEIVLLDDEGKEIPATIFDKVIYHLHPTFANPNRTFTDPPFRIEEQGWGGFPLDISVFLLEKAGERK
 MMM

>P35192 no signal peptide
 MIIFNGNKYACASCIRGHRSS'CRHSHRMLIKVTRGRPSMAIRDAILVDSTSQSTEYENGAQIEGDCCSAMNQQPILFVRASAVRKARMIKGLHILM

>P35615 no signal peptide
MADDPAAADRNV EIWKIKKLKLSLEAARGNGTSMISLIIPPKDQISRVAKMLADEFGTASNIKSRVNRLSVLGAITSVQQRLKLYNKVPPNGLVVYCGTI
MM

>P35630 no signal peptide
MKGLAMLGIGRIGWIEKKIPECGPLDALVRPLALAPCTSDTHTVWAGAI GDRHDMILGHEAVGQIVKVGSLVKRLKVGDKVIVPAITPDWGEEESQRGYP
MM

>P35637 no signal peptide
MASNDYTQQATQSYGAYPTQPGQYSSQPYGQSSQYSGYSQSTDTSGYQSSYSSYQSQNTGYGTQSTPQGYGSTGGYSSQSSQSSYQSSYQSSYPGY
MM

>P35680 no signal peptide
MVSKLTSLQQELLSALLSSGVTKEVLVQALEELLSPNFGVKLETLPSPGSGAEPDTKPVFHTLTNGHAKGRLSGDEGSEDGDDYDTPPIKELQALNT
MM

>P35684 no signal peptide
SHRKFHPRHGLGFLPRKRSSRHGKVKSFPKDDVSKPCHLTSFVGYKAGMTHIVREVEKPGSKLHKKETCEAVTIIETPPLVIVGLVAYVKTTPRGLRS
MM

>P35704 no signal peptide
ASGNAHIGKPA PDFTGTAVVDGAFKEIKLSDYRGKYVVLFFYPLDFTFVCPTEIIA FSDHAEDFRKLGCEVLGVSVDSQFTHLAWINTPRKEGGLGPLNI
MM

>P35728 no signal peptide
MSSTIFYRFKSRNTRILFDGTGLTVFDLKR EIIQENKLG DGTDFQLKIYNPDTEEEYDDDAFVI PRSTSVIVKRSPA IKSFSVHSLKGNVGAAALGN
MM

>P35805 no signal peptide
MDFSSCNHIFYDVMKEDFYRCIAPSEDIWKKFELVPGFPLSSGGCPGGGGTDWAAEMMDL GWESPVKLTGLSSVLLRDCMWSGFSTRERLEKVIHER
MM

>P36012 no signal peptide
MSSKQQWVSSAIQSDSSGRSLSNVNRLAGDQQSINDRALS LLQRTRATKNLFP RREERRRYESSKSDLDIETDYE DQAGNLEIETENEEEAE M ETEVPAP
MM

>P36041 no signal peptide
MELNDPSIISSSQFSGELSDSDTAAATHKSQQAISNLFQKLAKKGREEKP IGSVESSTDSNISVATSGNNKESNKKKNKKTAMLNFS S LTDPITNYKPM
MM

>P36048 no signal peptide
MEGDDLDFDEFGNLIGVDPFDSD E EESVLDEQEYQTNTFE GSGNNE IESRQLTSLGSKKELGISLEHPYGKEVEVLMETKNTQSPQTP LVEPVTERTKL
MM

>P36094 no signal peptide
MNGSPTPKRYSSKSSRLYDDYYNIPYQYSNPTPMNRDYN DVGSRINADKLVPEEYKRNTEFINKAVQQNKELNFKLREKQNEIFELK KIAETLRSKLEKY
MM

>P36389 no signal peptide
MSRVSNSDNYSLAGQQHTVLGSGRTSSLLWTSNPGSHFRSETRGNGRENGQDRV KRPMNAFVWVSRDHRRKVALENPQLQNSEISKRLGCQWKMLTEAEK
MM

>P36391 no signal peptide
IVWSRDQRKMDLENPKMRNSEISKQLGYQWKMLTEADKW PPFQEAQKLQAMHRE
MM

>P36392 no signal peptide
MVWSRDQRKVALENPQMQNSEISKQLGCQWKMLTEAEKRPF FEEAQRLQAMHRE

>P38820 no signal peptide
MNDYHLEDTTSELEALRLENAQLREQLAKREDSSRDYPLSLEYQRYGRQMIVEETGGVAGQVKLNKTKVLVVGAGGLGCPALPYLAGAGVGQIGIVDND
MM

>P38826 no signal peptide
MSMQQVQHCVAEVLRLDPQEKPDWSSGYLKKLTNATSILYNTSLNKVMLKQDEEVARCHICAYIASQKMNEKHMPDLCYYIDSIPLEPKKAKHLMNLFHQ
MM

>P38850 no signal peptide
MSTSLLEFEQLNFLIILVAAEAELPIAHSTRKLLMDNSCNNCQIYELYNENLKDVKTDKDWFMNKFQVTVHFVVISNTINFPFYKIVYFDLLIPVVSHTWVQ
MM

>P38863 no signal peptide
MEIKEVDDRAELLRNTNIPLLGKLVNHQPLWSTNPKLKFSLEKISAPDQRRVQEQALVVKDLLNLVLI GLEGTYIRYFNDYEPSDPETPIEFKIAKKMDP
MM

>P38889 no signal peptide
MSFSTINSNVNKTGTGDSNNNTTENSSTADLLGMDLLQSGPRLMNTMQPNNSSDMLHINNKTNNVQQPAGNTNISSANAGAKAPANEFVRKLFRILENNEY
MM

>P38913 no signal peptide
MQLSKAAEMCYEITNSYLHIDQKSQIIASTQEAIRLTKYLLSEIFVRWSPLNGEISFSYNGGKDCQVLLLLLYLSCLWEYFFIKAQNSQDFEFQSFPMQ
MM

>P38920 no signal peptide
MSLRIKALDASVVNKIAAGEIIISPVNALKEMMENSIDANATMIDILVKEGGIKVLQITDNGSGINKADLPILCERFTTSKLGKQFEDLSQIQTYGFRGEA
MM

>P38972 no signal peptide
MTDYILPGPKALSQFRVDNLKIDINSYTNSTSVINELRSCYIHYVNGIAQNLSEQDTKLELVLLTYDSALDIANDPLARQLNDAVANNLPSSALGEDTYL
MM

>P38979 no signal peptide
MSGGLDILSLKEDDITKMLVATHLGESENVNFQMEQYVYKRRADGVNINLNGKTKWEKLQLAARAIVAIDNPSDIFVVISSRPIGQRAVLKFAKYTDTPPIA
MM

>P38980 no signal peptide
MSGGLDCLALKEDDVQKFLASGAHIGSSNLDYQMTQYVYKRKPDGTYIINLRRTWEKLLMAARIIVAIENPADVCVISSRPYGQRAVLKFGAHTGATPIA
MM

>P38984 no signal peptide
MSEGIDALSLEEDVVKFLAAGVHLGSTNVGSSCQGYVFKRKSDDGIHIINLRKTWEKLILAARIIASIENPADVCVISSRPYGTRAVLKFAQSTGAIPPIA
MM

>P38986 no signal peptide
MKSDSVEITITICPDVENSQFVVQSNCPETIPEILKSQNAAVNGSGIACQQRSLPRIKILGTGGTIASKAIDSSQTAGYHVDLTIQDLLDAIPDISKVCIDI
MM

>P39009 no signal peptide
MSLSTKREHSGDVTDSFQRQSRNKPSSSEYTCLGHLVNLI PGKEQKVEITNRNVTTIGRSRSCDVI LSEPDISTFHAEFHLLQMDVDNFQRNLINVIDK
MM

>P39040 no signal peptide
MSRAYDLVVIGAGSGGLEAGWNAASLHKRVAVIDLQKHHGPPHYAALGGTCVNVGCVPKKLMVGTGANYMDTIREASAGFGWELDRESVRPNWKALIAAKN
MM

>P39050 no signal peptide
MSRAYDLVVLGAGSGGLEAGWNAAVTHKKKVAVVDVQATHGPPALVALGGTCVNVGCVPKKLMVGTGAQYMDLIRESGGFGWEMDRESLCPNWKTLIAAKN

>P40280 no signal peptide
 MDSTGTGAGGKGGKGAAGRKVGGRKKSRSRSVKAGLQFPVGRIGRYLKKGRYAQXVGTGAPVYLAAVLEYLAEEVLELAGNAARDNKKTRIIPRHVLLA
 MMM

>P40282 no signal peptide
 MSAKGKTGRKKASKGTSNSAKAGLQFPVGRIGRYLKKGKYAKRVGAGAPVYLAAVLEYLCAEILELAGNAARDNKKSRITPRHIQLAVRNDDEELNKFLAG
 MMM

>P40283 no signal peptide
 APKAEKKPAEKKPASEKPVVEKSKAEKAPAEKKPKAGKPKPEAGAGGDKKKMKKKSVEYTKIYIFKVLKQVHPDIGISSKAMGIMNSFINDI FEKLAQ
 MMM

>P40284 no signal peptide
 MSDKASTPKSATKDATKPKKVGDEEAKKREVKKNFDSYALYISRVLKSVPFDIGITLPSISVMDSFVRDIFERIAMDASSLTRNYQKSTLTTKEIETAT
 MMM

>P40286 no signal peptide
 SETVPAASAGAVPAVMEKPLTKKRGKPKAGLTSASRKAPNLSVSKLITEALSVSQERVGMSLAALKKALAAAGYDVEKNNSRIKLSLKSLSVNGILVQTR
 MMM

>P40344 no signal peptide
 MIRSTLSSWREYLTPITHKSTFLTTGQITPEEFVQAGDYLCHMFPTWKWNEESSDISYRDFLPKNKQFLIIRKVPCKRAEQCQEVEGPDVIMKGFEDG
 MMM

>P40347 no signal peptide
 MTIEKPKISVAFICLGNFCRSPMAEAIFKHEVEKANLENRFNKIDSFGTSNYHVGESPDHRTVSICKQHGVKINHKGQIKTKHFDEYDIIGMDESIN
 MMM

>P40359 no signal peptide
 MSLPAHLQQTFSPPEIQFIVENEPIKIFPRITTRQKIRGDDRGTDGNHTRWQLITDDKALNMVMAMRSTEVVLWIALLLKQSKCSIVAPQWLTTKELDR
 MMM

>P40366 no signal peptide
 MNNETSGKETASAPLPCSPKLPVEKVQRIAKNDPEYMDTSDDAFVATAFATEFFVQVLTHTSLHRQQQQQQVPLPDELTLSDYDII SAIVHSSDGHGLQ
 MMM

>P40372 no signal peptide
 SHCKFEQPRHGSGLFLPRKRASRQRGKVKAFPKDDASKPVHLTAFLGYKAGMTHIVRDLDRPGSKMHKREILEAVTVIETPPMVVGVVGVYVETPRGLRS
 MMM

>P40383 no signal peptide
 MGIPKFFRWMSERYPLCSQLIENDRIPEFDNLYLDMNGILHNCTHKNDHSSPPLPEEEMYIAIFNYIEHLFEKIKPKLLLYMAVDGCAPRAKMNQQRSR
 MMM

>P40394 no signal peptide
 MGTAGKVIKCKAAVLWEQKQPFSEIEIEVAPPKTKEVRIKILATGICRTDDHVIKGTMVSKFPVIVGHEATGIVESIGEGVTTVKPGDKVIPLFLPQCRE
 MMM

>P40422 no signal peptide
 MSREGFQIPTNLDAAGTSQARTATLKYICAECSSKLSLSRDTAVRCKDCGHRILLKARTKRLVQFEAR
 MMM

>P40463 no signal peptide
 MDTSNHNQDHDHSHVAAQRENDNMYPPSPSMSSESMIFERNVEDPSYLYKTVSNNAANSLSRQSSRTSLFNHNNSNRNFHNLSQLSSAVNLHLQPSRTN
 MMM

>P40482 no signal peptide
 MSHHKKRVYPQAQLQYGQNA TP LQQPAQFMP PQDPAAGMSYGMGMPPQGAVPSMGQQQFLTPAQEQ LHQQIDQATTSMNDMHLHNVP LVDPNAYMQPQ


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>P41161      no signal peptide
MDGFYDQQVPPFMPGKSRSEECRGRPVIDRKRKFLDLDLAHDSEELFQDLSQLQEAWLAEAQVPDDEQFVPDFQSDNVLHAPPPTKIKRELHSPSSELS
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41163      no signal peptide
MDLWNWDEASLQEVPPGDKLTGLGAIEFGFYFPEVALQEDTPITPMNVEGCWKGFPELDWNPALPHEDVVPFQAEPVAHPLPWSRDWTDLGCNTSDPWSCAS
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41166      no signal peptide
MGKEKVMHNLVVVGHVDAGKSTATGHLIYKCGGIDKRTIEKFEKEAADIGKASFYAWVLDKLKAERERGITIDIALWKFESEPKSVFTIIDAPGHRDFIK
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41260      no signal peptide
SLSAAQKDNVKSWSWAKASAAWGTTAGPEFFMALFDAHDDVFAKFSGLFKGAAGTKVKNTPEMAAQAQSFKGLVSNWVDNLDNAGALEGQCKTFAANKHARG
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41261      no signal peptide
TTLTNPQKAAIRSSWSKFMNDNGVSNQGQGFYMDLFAHPETLTPFKSLFGLTQLAQDNPDKMAQSLVFCNGMSSFVDHLDDNMLVVLIQKMAKLNHNRG
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41262      no signal peptide
SSGLTGPQKAAKSSWSRFMDNAVNTNGTNFYMDLFAKAYPDLTLPFKSLFEDVSFNQMTDHPMTKAQALVFCGMSFVDNLDDEHVLVVLQKMAKLNHNFN
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41277      no signal peptide
PLTTKPLSLKINAALFDVDTGIIISQPAIAAFWRDFGKDKPYFDAEHVIHISHGWRTYDAIAKFAPDFADEEYVNKLEGEIPEKYGEHSIEVPGAVKLCN
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41496      no signal peptide
VKEFAGIKYKLDSTNFEEYKAIQVGAIERKAGLALSPVIELEILDGDKFKLTSKTAIKNTEFTFKLGEEFDEETLDGRKVKSTITQDGPKNLVHEQKG
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41516      no signal peptide
MELSPLQPVNENMLLNKKNEDGKKRLSVERIYQKKTQLEHILLRPTYIGSVELVTTQMWVYDEDVGINYREVTVPGLYKIFDEILVNAADNKQRDPK
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41562      no signal peptide
MSRKIHGGSVVEMQGDEMTRIIWELIKEKLILPYVELDLHSYDLGIENRDATNDQVTKDAEAIAIKKYNVGVKCATITPDEKRVEEFKQKQWVSPNGTIR
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41680      no signal peptide
STAGKVIKCKAAVLWEPHKKPFSIEDIEVAPPKAHEVRVRIKMATGVCRRSDHVSRSLASPLPAVLGHEGAGIVESVGEVTSVKPGDKVIPLFTPQCGKC
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41681      no signal peptide
MSTAGKVIKCKAAVLWPKGAPLTMEEIDVAPPKKEVVRVKMVAAGICGTDIKSLDNKKLAPFCPIIMGHEGTGIVESVGEVSTVKTGDKVILCLPQCG
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41682      no signal peptide
MDTAGKVIKCKAAVLWGTNQPFSIEDIEVAPPKAKEVVRVKILATGICGTDHVIKGTMVSKFPVIVGHEAVGIVESVGEVTTVRPGDKVIPLFLPQCRE
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41695      no signal peptide
MNLDLGSTVRGYESDKDTPQSKGVSSSQKEQHSQNLNQTKIAYEQRLLNLDLEDMDPLDLFLDYMIWISTSYIEVDSESGQEVLRSTMERCLIIYIQDMET
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P41766      no signal peptide
MSKNIVVLPGDHVGTETNEAIKVLNAISEARPSIKFNFHEHLIGGAAIDATGVPLPDEASKKADAVLLGAVGGPKWGTGVSVRPEQGLLKIRKELGLYAN

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>P42733      no signal peptide
MAEQTEKAFLEKQPKVFLSSKISGKGRPGKGGNRFWKNIGLGFKTPREAI DGAYIDSKCPFTGTVSIRGRILAGTCHSAKMQRTIIVRRNYLHFVKKYQR
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42744      no signal peptide
MQAVKRSRRHVEEPTMVEPKTKYDRQLRIWGEVQAALEEASICLLNCGPTGSEALKNLVLGGVGSITVV DGSKVQFGDLGNNFMVDAKSVGQSKAKSV
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42777      no signal peptide
MASFKLMSSSNSDL SRRNSSASSSPSIRSSHHLRPNPHADHSRISFAYGGVNDYTFASDSKPFEMAI DVDRS I GDRNSV NNGKSVDDVWKEI VSGEQK
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42794      no signal peptide
MASEKKLSNPMRDIKVQKLV LNI SVGESGDRLTRASKVLEQLSGQTPVFSKARYTVRSF GIRRNEKIACYVTVRGEKAMQLLESGLKVKEYELLRNFSD
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42798      no signal peptide
VRISVLNDALKSMYNAEKRGKRQVMIRPSSKVI I KFLIVMQKHGYIGEFYVDDHRSGKIVVELNGRLNKC GVISPRFDVGVKEIEGWTARLLPSRQFGY
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42801      no signal peptide
MFIESFKVESPNV KYTENEIHSVYDYETTEVVHEKTVNGTYQWIVKPKTKV KYDFKTDIRV PKLGVMLVGLGGNNGSTLTAGVIANKEG I SWATKDKVQQA
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42841      no signal peptide
MDGHNQNQYQNQNQIQQSQQPPLK KYVTQRSSVDVSSPYINLYNRRHGLPNLVVEPETS YTIDIMP PNAYRGRDRVINLPSKFTHLSSNKVKHVIPAIQ
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42861      no signal peptide
MSDYFSKLKEHVVEST EINGCTPSIATATFNAPYEVARKTKMLGVTDSLLNLPAWKRLQSLY EKYGNDSILSHFEKDHQRFRYSIEIDLHSDDNFLFL
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42862      no signal peptide
MASSALICDTEQWGLQAHVGEIQKTHLRHLMH DVERCKAMTAEYEGIYLDYSRQRATGETMEKLFKLA EAAKLEKIEKMFSGDKINSTENR SVLHVAL
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42863      no signal peptide
MASSALICDTEQWGLQAHVGAIQKTHLRDLMD DAERCKAMTAEYEGIFLDYSRQRATGETMEKLFKLA EAAKLEKIEKMFSGDKINSTENR SVLHVAL
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P42932      no signal peptide
ALHVPKAPGFAQMLKDGAKHFSGLEEA VYRNIQACKELAQ TTRTAYGPNGMNKMVINRLEKLFVTNDAATILRELEVQHPAAKMIVMASHMQEQEVGDGT
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P43079      no signal peptide
MSITKTYNGDPTSLVPTQLVKE SLRLIEDLKFFLATAPANWQENQVIRRYL NHDEGFVSCVYWNLYFITGTDIVRCIVYKFEHFGRKIIDRKKFEEGI
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P43135      no signal peptide
MAMVVSTWRDPQDEVPGSQSQASQAPVP GPPGAPHTPQTPGQGPASTPAQTAAGQG GPGGSDKQQQQHIECVVCGDKSSGKH YGQFTCEGCK
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P43138      no signal peptide
PKRGKRAAAEDGEEP KSEPETKSKGA AKKTEKEAAGEGPVLYEDPPDQKTSASGKSATLKICSWNVDGLRAWIKKKGLDWVKEEAPDILCLQETK CSEN
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P43152      no signal peptide
MSNSAKSPSGPVGDEGRRNYPMSAHTLV TQEQVWAATAKCAKKIAEDYRSFKLTTDNP LYLLCVLKG SFI FTADLARFLA DEGVV KVEFICASSYGTGV

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MMM
 >P46418 no signal peptide
 PGKPVLYHFDGRGRMEPIRWLLAAAGVEFEENFLKTRDDLRLRSDGSLMFEQVPMVEIDGMKLVQTKAILNYIATKYNLYGKDMKERALIDMYAEGVAD
 MMM
 >P46459 no signal peptide
 MAGRSMQAARCPTDELSLTNCVSVVNEKDFQSGQHVIVRTSPNHRYTFTLKTHPSVVPGSIAFSLPQQRKAGLSIGQEI EVSLYTFDKAKQCIGTMTIEID
 MMM
 >P46461 no signal peptide
 MAYILKATKCPTEDELSLTNR AIVNVGDFPEEIKYADISPAPGQHFI FALEKTVEVPSGVVGFSLVQRK WAMVSI NQELEVRPYRFDASSDVI TCVS FETD
 MMM
 >P46479 no signal peptide
 FTTQETITNANTAKQWFLKSAKDKS FVANHFVALSTNAKLVQEF GIDKANMFEFWDVWGGRYSLWSAIGMSIALNIGFENFEHLLSGAHWMDNHFKSTP I
 MMM
 >P46588 no signal peptide
 MSHSIPITSSPPPALKKLLKLPNGSEEPSEFERELLDITQAVHDSTDQTWRPPLPSSFEDISFQQLDAEYHDRGNTYARFFGITQEGHSVLCNVTGF I H
 MMM
 >P46605 no signal peptide
 MEKNIAHCPVEGNGEIENGASSSQNPESLEHVSLLSTSQTMPNNLGIRKNYKRAANRGKKGSGQLTGQAYTLMSSNSDVRLRSTSSSKTTSTEHVQAPV
 MMM
 >P46614 no signal peptide
 FTIPPNH EMIFFTDDAYKTKCDDKVM I IDYKNITKVIAPGKI IYVDDGVL SFEVIVSDDQQTLKVRSLNAGMIS SHKTANDVLELRVLSTSG
 MMM
 >P46633 no signal peptide
 PEETQTQDPMEEEEVETFAFQAEIAQLMSLIINTFYNSKEIFLRELISNSSDALDKIRYESLTDPSKLD SGKELHINI I PNKQDRTL TIVDTGIGMTKA
 MMM
 >P46654 no signal peptide
 SLPATFDLTPEDAQLLLAANTHLGARNVQVHQEPYVF NARP DGVHV I NVGKTWEKLVLAAR I IAAI PNPEDVVA I SSRTY GQRAVLK FAAHTGATP IAGR
 MMM
 >P46655 no signal peptide
 MTKLFKSKVKESI EGIKMPSTLTINGKAP I VAYAE LIAAR I VNALAPNS IAIKLVDDKKAPAAKLD DATEDVF NK I TSKFAA I FDNQDKEQVAKVWV NLAQK
 MMM
 >P46664 no signal peptide
 MSISESSPAATSLPNGDCGRPRARSGGNRVT VVLGAQWGDEGKGKVV DLLAQDAD I VCRCQGGNAGHTVVVDSVEYDFHL LPSGI INPNVTAF I GNGV
 MMM
 >P46667 no signal peptide
 MKRNRGSSDSL SGLP I RHSTTDKQ I SPRPTT TGF LYSAGADYSQM F DALED DGSLED LGVGHASSTA AEKRR L GVEQV KALEKNFE I DNKLEPERKV
 MMM
 >P46668 no signal peptide
 MMKRLSSSDSVGLISLCP TTTSTDEQSPRRYGGREFQSMLEGYEEEEEAIVEERGHVGLSEKRRLS I NQV KALEKNFELENKLEPERKV KLAQELGLQP
 MMM
 >P46676 no signal peptide
 MSENTTAPSDNITNEQRLPSGPKDDVDTLAL TSAQNQANSRLKLDTDANAKALPSITDI PVSDDSDIKRQVGSFGS NPLHIK DSEAFPHSSIEALKEGM
 MMM
 >P46677 no signal peptide

>P47209 no signal peptide
MAQSSAQLLFDESGQPFIVMREQENQKRITGVEAVKSHILAAARAVANTLRTSLGPRGLDKMLVSPGDVTTITNDGATIMEKMDVQHHAVALKLMVELSKSQD
MM

>P47236 no signal peptide
EHTYGEVNQLGGVFNNGRPLPNAIRLRIVELAQLGIRPCDISRQLRVSHGCVSKILARYNETGSILPGAIGGSKPRVTTTPNVVKHIRDYKQGDPIGFAWE
MM

>P47237 no signal peptide
QMRLQLKRKLQRNRTSFTQEIEALEKEFERFERTHYPDVFAERERLAAKIDLPEARIQVWFSNRRAKWRREKLRNQRRQASNTPSHIPISSSFSTSVYQPIIP
MM

>P47239 no signal peptide
MAALPGAVPRMRPGPGQNYPRTGPFLEVSTPLGQGRVNLGGVFINGRPLPNHIRKIVEMAHHGIRPCVISRQLRVSHGCVSKILCRYQETGSIRPGA
MM

>P47727 no signal peptide
SSDRPVALVTGANKGIGFAIVRDLCKRFLGADVLTARDESRGHEAVKQLQTEGLSPRFHQLDIDNPQSIRALRDFLLQEYGGNLVNVNAGIAFKVVDPDT
MM

>P47739 no signal peptide
MSNISSIVNRARDAFNSGKTRPLQFRVEQLEALQRMINENLKGISKALASNLKRNKNEWTSYEVAHVLDDEIDFTIKGLSDWAEDPEVGGKTRQTQEDDLIYI
MM

>P47792 no signal peptide
MYSMLEHDMKSAVPPHQSAQGMTQLNGGVTHGSAKPAVNSQQQSSDPMDKVKRPMNAFVWVSRGQRKMAQENPKMHNSEISKRLGAEWKLLTDAEKR
MM

>P47825 no signal peptide
MNTSQTAAGNRITFTSQPLPNTGTSIAGNPGAIVISTAQPLNTTTTIKTIQAGIGGQHQQGLQQVHVHQQQSSQQQQQQQQQTQSAGQPLLNSMLPAGVVVG
MM

>P47840 no signal peptide
AEEGISAGGVMDVNTALQEVLTALIHDLGLARGIREAAKALDKRQAHLKLVLASNCDEPMYVKLVEALCAEPQINLIKVDDNKKLGEVGLCKIDREGKPR
MM

>P47844 no signal peptide
PSDRRVALVTGANKGVGFATRACLRLFSGDVLLTAQDEAQQAAVQQQAEGLSPRFHQLDITDLOSIRALRDFLRRAYGGLNLVNVNAVIAFKMEDTT
MM

>P47874 no signal peptide
AEDRPQQQLDMPVLVDQGLTRQMRRLRVESLKRGEKRDGKELLPAAESVYRLNFTQQQLQFERWNVLDKPGKVTITGTSQNWTPDLTNLMTRQLLD
MM

>P47875 no signal peptide
PNWGGGKKCGVCQKTVYFAEEVQCEGNSFHKSCFLCMVCKKNDSTTVAVHGEEIYCKSCYGKKGYPKGYGYGGAGTSLMDKGESLGIKHEEAPGHRPT
MM

>P47897 no signal peptide
MAALDSLFLFTSLGLSEQKARETLKNSALSQAQREAAATQAQQTGLGSTIDKATGILYGLASRLDRRLSFLVSYIASKIHTEPQLSAALEYVRSHPLD
MM

>P47952 no signal peptide
MAESELQLVAQRIRSFDFPIPGVLFRLDISPLPKDPASFRASIRLLASHLKSTHGGKIDYIAGLDSRGFLFGPSLAQELGLGCVLIRKRGKLPGPPTVSAS
MM

>P47957 no signal peptide
MSEPELKLVARIRSFDFPIPGVLFRLDISPLPKDPASFRASIRLLASHLKSTHSGKIDYIAGLDSRGFLFGPSLAQELGVGCVLIRKQKLPGPPTVSAS


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>P49925      no signal peptide
MLSNCRQNTLGHNTQTSIAQDFSSSEQGRTAPQDQKASIQIYPWMQRMNSHSGVYGADRRRGRQIYSRYQTLELEKEFHFNRYLTRRRRIEIANALCLTE
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49952      no signal peptide
MGSDVRDLNALLPAVSSSLGGGGCGCLPVSGARQWAPVLDFAFPPGASAYGSLGGPAPPPAPPPPPPPPHSFYIKQEPSWGGAEPEEQCLSAFTLHFSGQFT
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49953      no signal peptide
SVPPPVYGCHTPTDSTGSQALLLRTPYNSDNLYQMTSQLECMWTWNQNLGATLKGHTTGYENDNHTTPILCGAQYRIHTHGVRFGIQDVRVPGVAPT I
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49960      no signal peptide
MEYGHHARPDSKRPLDEGSPAAGLTSKKANEALTRNRELTTVLVKLNLPKSYNQNKVYKFKHCGPIIHVDVADSLKKNFRFARIEFARYDGALAAITKT
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49963      no signal peptide
MATAVPMKKNWSPSMKHNDMERWICIIYPAYINRKKTRQEGRRLPKENCVDNPSYIEIRDVLSVSNLQFLMENKKYCRENSSEMEFRGRVRVQLRNVDGTL
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49964      no signal peptide
MDGGDLRSSIKKWNVIYPVYLNSSKKTVAEGRRIASGKACPDPTCVEIADCCSHLKI PHAIELDKAYPRDFQVGRVVRVQLKKDDGSPVNPAIKTKKQLMI
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49965      no signal peptide
MANEKAFNLQSAYSIDLNKACSAQAYDKIINISGKILTKFPGETKAFQCKVVALIRAKEYEDCLSFLKKNPTLSSHVIFEKAYVEYRLNRLTEAAKTLESE
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49967      no signal peptide
MVLAEELGGRITRAIQMSNVTIIDEKALNECLNEITRALLQSDVSFPLVKEMQSNIKKIVNLEDLAAGHNKRRIEEQAIFSELCKMLDPAFPAFKKAK
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49968      no signal peptide
MVLAEELGGSISRALQMSNATVIDEKVLGECLEISRALLQSDVQFKMVRDMQTNIRKIVNLETLAGTNKRRIEQQAVFTELCNMLDPAFPAFPTTKKGGK
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49970      no signal peptide
MVLADVGGISRALAMSSAAVDESVLRECLNEIARALMQSDVRFKTVCDLQANIRKTVNLEALAGTNKRRIEETSVGKELCKMLDTGKPAFVPPKGGK
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P49972      no signal peptide
MVLAEELGGSISRALQMSNATVIDEKVLNECLNEITRALLQADVQFKLVDRMTNIIKIVNLDLALAGHNKRRIEQQAVFNELECKILDPAFPPKGGK
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P50135      no signal peptide
MASSMRSLFSDHGKYVESFRFLNHSTEHQCMQEFMDKKLPGIIGRIGDTKSEIKILSIGGGAGEIDLQILSKVQAQYPGVCINNEVVEPSAEQIAKYKE
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P50138      no signal peptide
MEEVAALVLDNGSGMCKAGFAGDDAPRAVFPSCGGPRHQVGMVGMGQKDSYVGDEAQSKRGILTLYPIEHGIVTNWDDMEKIWHHTFYNELRVAPEE
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P50143      no signal peptide
MMGRPVVLVLSQNMKRESGRKVSQGNINAAKTIADII RTCLGPRAVMKMLLDPMGGIVMTNDGNAILREIQVQHPAAKSMIEISRTQDEEVDGTTSVIIL
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
>P50157      no signal peptide
FMCEMERSVHDALCVVKRVLESKSVVPGGAVEAALSIYLENYATSMGSREQLAIAEFARSLLVIPKTLAVNRAQDSTDLVAKLRAFHNEAQVNPDRKN

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>P50623 no signal peptide
MSSLCLQLRQEEERKKWRKDHDPFGFYAKPVKKADGSMDLQKWEAGIPGKEGTNWAGGVYPITVEYYPNEYPSKPPKVKFPAGFYHPNVYPSGTICLSILNED
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>P50749 no signal peptide
MDYSHQTSLVPCGQDKYISKNELLLLHLKTYNLYYEGQNLQLRHREEEDEFIVEGLLNIISWGLRRPIRLQMDDNERIRPPSSSSSWHSGCNLGAQGTTLK
MM

>P50874 no signal peptide
MNVTTPEVAFREYQTNCLASYISADPDI TPSNLI LQGYSGTGKTYTLKKYFNANPNLHAVWLEPVELVSWKPLLQAIARTVQYKCLKTLYPNIPTTDYDPL
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>P50880 no signal peptide
MSHRKFSAPRHGHMGFTPKKRSRTYRGR IKAFPKDDKSKPIHLTAF LGYKAGMTHIVRDVDPGSKVNKKEVVEAVTIVETPPMVIAGVTGYVDTPQGPR
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>P50898 no signal peptide
MTEAIIIEKKNHKKSINDHDKDGRPRPYVCPICQGRGFHRLEHQTRHIRTHTGERPHACDFPGCSKRFSRSDDELTRHRRIHSDKPKGKRGRKKKSETIAREK
MM

>P50901 no signal peptide
MQKSPYETTSQQLYNGYSYNGERFGYEGSGGGGGGSYGAEVTDQDFGSPSCSVRKPGSTTGGGTGNVSPTCMKTNPADNNHGSAPQSNASILANTKIYP
MM

>P50902 no signal peptide
QGYSTVAFDGPSPSYGHAPSHHAAQFSNHSFKHEDPIAQQTSLGDQQYSVPPVYGCHTPTDSDCTGSQALLLRTPYNSDNLYQMTSQLECMWTNQMLGST
MM

>P51006 no signal peptide
MPFPLASQGSQQSKTYGITSPIISLATPKDCTDCLTQKLIETLKYGVFEEDEQLHRILSLGKLNLVKEWIREISELKNLPQSVIENVGGKIFTFGSY
MM

>P51069 no signal peptide
MVSVSGIRKVVQRAEGPATVLAIGTANPPNCIDQSTYADYFRVTNSEHMTDLKKKFQRI CERTQIKNRHMYL TEEILKENPNMCAYKAPSLDAREDMMIR
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>P51119 no signal peptide
MALLSDLINLNLSDVTEKIIAEYIWIIGSGMDLRSKARTLSGPVSDPHKLPKWNYDGSSTGQAPGEDSEVILYPAIFKDPFRRGNNILVMCDTYTPAGE
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>P51126 no signal peptide
MSSKDNTCPPPGPHINGFHVPHYAFFFPMLGGMSXTGGLPGVQHQPPLSGYSTPSPAT IETQSTSSEEIVSPSPPTPPPLPRIYKPCFVCQDKSSGYHY
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>P51128 no signal peptide
MSSAAMDTKHFLPLGGRTCADTLRCTTSWTAGYDFSSQVNSSSLSSSGLRGSM TAPLLHPSLGNSGLNNSLGSPTQLPSPLSSPINGMGPFSVISPPLG
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>P51129 no signal peptide
MHLATETAPSMATYSSTYFNSSLHAHSTSVSSSNLAAMNSLDTHPGYMGNSLNGPRSM TTNMNSMCSPGNNIGLPIYRV IASSMGPHSLPSPTIILNYPGHE
MM

>P51145 no signal peptide
MYQDYPGNFDTSSRGSSGSPAHAESYSSGGGQKFRVDMPGSGSAFIPTINAITTTSQDLQWVQPTVITSMSNPYPRSHPYSPPLGLRSVPGHMALPR
MM

>P51161 no signal peptide
AFTGKFEMESEKNYDEFMKLLGISSDVI EKARNFKIVTEVQQDGDFTWSQHYSGGHTMTNKFTVVGKESNIQTMGGKTFKATVQMEGGKLVVNF PNYHQ T

>P52299 no signal peptide
ARGDSYVDLSQYRDQHFRGNRSDQESLLKQSCSTLYVGNLSFYTTEEQIHELFSKSGDVKRIVMGLDKVKKTACGFCFVEYYTRADAGTAMRFINGTRLDD
MM

>P52304 no signal peptide
MAAKPEDKSTDIPDRLVDINQRKTYKRMRFVGGKGFACYEIIDVETDDVFAGKIVSKKLMIKHNQKEKTAQEITIHRSNLNHPNIVKFHNYFEDSQNIYI
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>P52431 no signal peptide
MDCKRRQGPQPGVPPKRARGHLWDEDEPSPSQFEANLALLEEIEAENRLQEAEELQLPPEGTVGGQFSTADIDPRWRRPTLRALDPSTEPLIFQOLEID
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>P52432 no signal peptide
MAAAQAVEEMRTRVVLGEFVNRVHTTDFPGNYAGYDDAWDQNRFEKNFRVGVVQMDDEDTLEFDMVGI DAAIANAFRRILLARVPTMAVEKVLVYNNTSI
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>P52551 no signal peptide
MSRRSRGDDLEDLQYQD TSDVPEPKENRVKVKWTPEEDELKALVKKHGQGEWKTIASNLNNRTEQQCQHRWLRVLHPDLVKGPWTKEEDEKVIELVKK
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>P52553 no signal peptide
MSELGAKYQQLQNELEEFIVARQKLETQLQENKI VNEEFDQLEEDTPVYKLTGNVLLPVEQSEARTNVDKRLEFIETEITRCEKNIRDKQEELKMRSEL
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>P52566 no signal peptide
TEKAPEPHVEEDDDDELDSKLNKPPPQKSLKELQEMDKDDESLIKYKKTLLGDGPVVTDPKAPNVVVTRLTLVCEAPGPITMDLTGDLEALKKETIVL
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>P52580 no signal peptide
MASEKSKILVVGGTGYLGRHVVAASARLGHPTSALVRDTAPSDPAKAAALKSFDAGVTLKGDLYDQASLVSAVKADVVISVLGSMQIADQSRLVDAI
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>P52653 no signal peptide
MSTPGDFSLSPFILGGAVDPRSMSQLGNI CHADY MSTSTESQERSLNNPN DTHPEIVNVVSTFQLGVKLELRKIVQKARNAEYNPKRFAGAIMRISSPKS
MM

>P52655 no signal peptide
MANSANTNTPVKLYRSVIEDVINDVRDIFLDDGVDEQVLMELKTLWENKLMQSRVAVDGFHSEEQQLLQVQQQHQPQQQH HHHHHHHHQQAQPPQQTVPQQA
MM

>P52657 no signal peptide
MAYQLYRNTTLGNLSLQESLDELISQSQITPQLALQVLLQFDKAINAALAQVRNRVNFVFRGSLNTYRFCDNVWTFVLNDVEFREVTELIKVDKVKIVACDG
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>P52701 no signal peptide
MSRQSTLYSFFPKSPALSDANKASARASREGGRAAAAPGASPSPGGDAAWSEAGPGRPLARSASPPKAKNLNGGLRRSVAPAAPTCDFSPGDLVWAKM
MM

>P52835 no signal peptide
MEDIKTLPQHTCSFLKQRFITLYKYQDVVNHQEFLEGRMLSEQTFKAHPNDVFLASYPKSGTTWLKALAFAIITREKFDSTSPLLTTPHDCIPLLEKD
MM

>P52837 no signal peptide
METTKTQFESMAEMIKKLPQHTCSSLGRITLYKYQDFWGLQNNIEGAILAQSFKARPDDVFLCSYPKSGTTWLKALAYAIVTREKFDDEFTSPLLNTNIP
MM

>P52841 no signal peptide
SDNTLWFEGIRFPMVGFSPPELLREVDRKFLVKDEDTITVITYPKSGTNWLIIEIVCLILSKGDPKQVQSVPIWDRSPWIETQHGNELMKSQKDPRITYSHLP

>P53849 no signal peptide
MSQKACYVCGKIGHLAEDCDSERLCYNCNKPGHVQTDCTMPRTVEFKQCYNCGETGHVRSECTVQRCFNCNQTGHISRCEPEPKKTSRFSKVSICYKCGGP
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>P53853 no signal peptide
MMSDQENENEHAKAFLGLAKCEEEVDAIEREVELYRLNKMKVYEKRDAYIDEIAEFWKIVLSQHVSFANYIRASDFKYIDTIDKIKVEWLALESEMYDT
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>P53854 no signal peptide
MGSGDLNLLKSWNPKLMKNRKKVWETEQDLITEQQKLNTRLKEIEKERELNELLNESKDKPETLKNLDLAKKSGLEWMYQDAKLSDEKEDYLLGKKKLD
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>P53873 no signal peptide
MEKKVICQDIFWSCDGTSEFVSVHNDFGIRQYLVEESNTDKLNRNLLLPFTRFRNQSIVSCAIDPFYTLNENSRLAGDRIVVGKKNFPLQLYSLMDG
MM
>P53946 no signal peptide
MSSRDASLTPLKAVVIDDPPLRQTPEPFDEQSAYNPQSPIAIDFGSSKLRAGFVNHATPTHIFPNALTKFRDRKLNKNFTFVGNDTLLDQAVRSQSRSPF
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>P53965 no signal peptide
MGLYQAKNDEGSDPKSSKIDDLIENEAEIIRLIKEDGKLLIDNGDGRDIHNI IQEDKLLSVEFNEVLKRFHGEKSDIPRKEFDEDEDDGYDSNEHHQK
MM
>P53999 no signal peptide
PKSKELVSSSSSGSDSDSEVDKKLKRKQVAPEKPVKKQKTGETSRALSSSKQSSSRDDNMFQIGKMRYVSVRDFKGVLDIREYWMDPEGEMKPGRK
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>P54115 no signal peptide
TKLHFDTAEPVKITLPLNGLTQEPTGLFINNKFMAQDGKTYPVEDPSTENTVCEVSSATTEDVEYAI ECADRAFHDT EWATQDPRERGRLLSKLADELE
MM
>P54118 no signal peptide
MVVKVGINGFGRIGRIVFRNAIEHDDIHIVAVNDPFIEPKYAAAYMLRYDTTHGNFKGTIEVDGADLVVNGKVKFYTERDPAAIPWSETGADYIVESTGV
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>P54132 no signal peptide
MAAVPQNNLQEQLEHRSARTLNNKLSLSPKPKFSGFTFKKTSDDNVSVTNVSAKTPVLRNKDVNVTEDFSFSEPLPNTTNQQRVKDFFKNAPAGQETQ
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>P54227 no signal peptide
ASSDIQVKELEKRASGQAFELILSPRSKESVPDFPLSPPKKKDLSEEIQKKLEAAEERRKSHEAEVLKQLAEKREHEKEVLQKAI EENNNFSKMAEEKL
MM
>P54270 no signal peptide
MTVPQVGINGFGRIGRVLVRAAIEKDTMSVVAINDPFIDLEYMAYMFKFDSTHGRYAGSVETKDGKLI VNGKSI TIYGHRDPAEIPWAEAGADYVVESTG
MM
>P54346 no signal peptide
APKKDEKPATAEAGAEAPAKAEAKPKAEKAGKKAKKEPAKKAKEPKGDGEKDKKKKKS AVETYKLYIYKVLKQVHPDTGISSKAMSIMNSFINDI FEK
MM
>P54347 no signal peptide
APKKDEKPATAEAGAEAPAKAEAKPKAEKAAKKAKKEPSKAAKEPKGDGEKDKKKKKS AVETYKLYIYKVLKQVHPDTGISSKAMSIMNSFINDI FEK
MM
>P54348 no signal peptide
APKAEKKPAKKVAEEEPSEKAAPA EKAPAGKKPKAEKRLPAGKSAGKEGGDKKGRKKAKKSVETYKIYIFKVLKQVHPDIGISSKAMSIMNSFINDI FE

>P55166 no signal peptide
PAFGEVNLGGVFNVRPLPNAIRLRIVELAQGLRPCDISRQLRVSHGCVSKILARYNETGSILPGAIGGSKPRVTTPTVVKHIRTYKQRDPGIFAW E
MM
>P55209 no signal peptide
MADIDNKEQSELDQDLDDVEVEVEEETGEETKLKARQLTVQMMQNPQILAAQERLDGLVETPTGYIESLPRVVKRRVNALKNLQVKCAQIEAKFYEEVH
MM
>P55212 no signal peptide
MSSASGLRRGHPAGGEENMTETDAFYKREMFDPAEKYKMDHRRRGIALIFNHERFFWHLTLPERRGTCADRDNLTRRFSDLGFVCKFNDLKAEEELLLKI
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>P55315 no signal peptide
MLDMGDRKEVKMIPKSSFSINSLVPEGLQNDNHASHGHNSHPQHSHHHHHHHHHHPPPPAPQPPPRAAQQQPPLAPQAGGAAQSNDKGPQLL
MM
>P55317 no signal peptide
MLGTVKMEGHETS DWSYADTQEAYSSVPVSNMNSGLGSMNSMNTYMTMTMTTSGNMT PASFNMSYANPALGAGLSPGAVAGMPGGSAGAMNSMTAAG
MM
>P55318 no signal peptide
MLGSVKMEAHDLAEWSYYPEAGEVYSPVTPVPTMAPLNSYMTLNPLSSPYPPGGLPASPLPSGPLAPPAPAAPLGPTFPGLGVSGSSSSGYGAPGPGLV
MM
>P55805 no signal peptide
MADKQTVVVDNGS VVKGAFSGEDAPRAVFP SII GRPKNVSALIGVDSASEYIGDEAQKRGVLKIFYP IEHGI IKDWEDMEKIWNHTFYVELRVQPDEH
MM
>P55854 no signal peptide
MSEEKPEGVKTENDHINLKVAGQDGSVQFKIKRHTPLSKLMKAYCERQGLSMRQIRFRFDGQPINETDTPAQLEMEDEDTIDVFQQQTGGVPESLAG
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>P55864 no signal peptide
MQNSHSGVNLGGVFNVRPLPDSTRQKIVELAHSGARPCDISRILQVSNCGCVSKILGRYYETGSIRPRAIGGSKPRVATPEVVNKIAHYKRECPSIFAW
MM
>P56095 no signal peptide
MSTSTAKRPF DNKRAGSPDDGTDSDSGGNNSGSSPASKRRERKPKRPLETEAKDKRTAQNRAAQRAFRERRERKKELEDKVSQLES LNKQSELETKFL
MM
>P56224 no signal peptide
MATAASNPYLASSTILSSASLVHSESGGGMQPGSGAVTSVSGGYRGDPTVKMVQSDFMQGAMAASNGGHMLSHAHQVWTS LPHAAAAAAAAAAAAAE A
MM
>P56225 no signal peptide
MAGRSSNVC PFPNGSGGLEGPVPMRVDPTWLSSQAATSRLMVRPGMGPGFCPGPEVWGVP LGPSPYEFRGGIAPYGAYETRTWSQNSSED TYPGPYI
MM
>P56261 no signal peptide
MSHGTYECEPRGGQPLEFSGGRAGPGELGDMCEHEASIDLSAYIESGEEQLLSDLFAMKPTPEARSLKGPGTSPFPHYLPADPRPFAYPSHTFGPDRK
MM
>P56282 no signal peptide
MAPERLRSRALS AFKLRGLLRLRGEAIKYLTEALQSI SELELEDKLEKI INAVEKQPLSSNM IERSVVEAAVQEC SQSVDET IEHVFN IIGAFDI PRFVYN
MM
>P56581 no signal peptide
MMAEVPNMAVTTGQQVPAVAPNMATVTEQQVPADAPVQEPAPEAPKRKRKRKPRAAEPQEPVEPKPATSKKSGKSTKSKEKQEKITDAFKVKRKVDRFNG

>P90727 no signal peptide
MVEQAQGSLEEIERQFLDVAQRDGLLESLEQEDVKPDKSDLNNGEERDRDRDDEDRKKRKRSRSRDRGDRDRKRSRSRDRDRDRSRSRERRRDRSRDRNR
MM

>P90901 no signal peptide
MMEITRETMSFTSTTPSARAPLGGRTTGNVTSQDRMLKIVTEMRSAGSGLSPFGQNAASTIRDSREREKKEMSDLNDRLASYLEKVRFLAQNRKLAAD
MM

>P90916 no signal peptide
MATLEDGTSSEDRVANDEYKIWKNTPFYLDLVMTHALEWPSLSVQWLPDPAKNSDHTIHRLLI LGTHTSDEQNHL LISKICMPTDDAQFDASRYDTERSE
MM

>P90978 no signal peptide
MSDHQDGMKLEDIERQFLDVAQREGGLEAIQPTTGPLENEENLKSSTGGGGGEDDNRKRRKRSRSRDRDRTRRRSRSRDRGERGGGGGGDRDRSRSRER
MM

>P91124 no signal peptide
MAAQFYERNTSGMNADRFMTRLTDESTVNTMQRHYWTARQFIRTKLGGKKEDEHLEASDNELDTCNLNLYRSVHGT SFQLLNVDNYANFLLEDETLVQNVLG
MM

>P91276 no signal peptide
MTLTETSLSHNAEEGKDEGGRLQYKKNLTKHEELRRRRETECSVEIRKQKADMMMKRRNIVDVDEGGNSESELEEEPEKISHQQSSTRLSNDEIRAILSNN
MM

>P91623 no signal peptide
MDMTSTAEAAAARSWYDSPRLGGGSSGGGNGGGVSPQTNGLGSAGSSLAHSHSLSSGASSAGSSVGVGSALGGGGGSGLDTSDM SAFYALESNGHRRY
MM

>P91664 no signal peptide
MSMSDDDRDIDIESDEGDSDTGLGSSRHTNTANFTQAEKRAHNNALERRRRDHIKESFTNLREAVPTLKGEKASRAQILKKTTECIQTMRRKISENQKD
MM

>P91754 no signal peptide
EVTALVVDNGSGMCKAGFAGDDAPRAVFPSIVGRPRHQGVMVGMGQKDSYVGDEAQSKRGILTLKYPIEHGIVTNWDDMEKIWHHTFYNELRVAPEEHPV
MM

>P91875 no signal peptide
MGSKRAMDVHMFPSDLEFAVFTDQEIRKLSVVKVITGITFDALGHAI PGGLYDIRMGSYGR CMDPCGTCLKLQDCPGHMGHIELGTPVYNPFFIKFVQRL
MM

>P92176 no signal peptide
MAEEDVAALVVDNGSGMCKAGFAGDDAPRAVFPSIVGRPRHQGVMVGMGQKDSYVGDEAQSKRGILTLKYPIEHGIVTNWDDMEKIWHHTFYNELRVAPE
MM

>P92182 no signal peptide
MCDEEVTALVVDNGSGMCKAGFAGDDAPRAVFPSIVGRPRHQGVMVGMGQKDSYVGDEAQSKRGILTLKYPIEHGIVTNWDDMEKIWHHTFYNELRVAPE
MM

>P93024 no signal peptide
MMASLSCVEDKMKTSCLVNGGGTITTTTSQSTLLEEMKLLKDQSGTRKPVINSELWHACAGPLVCLPQVGSLVYFYSQGHSEQVAVSTRRSATTQVPNYP
MM

>P93258 no signal peptide
MVKAVVVLSSSEGVSGTVQFTQEGSGPTTVTGNVSGLRPGLHGFHVHALGDTTNGCMSTGPHFNPA GKEHGAPEDETR HAGDLGNI TVGDDGTATFTIID
MM

>P93348 no signal peptide
MAEVGLEGNQPVLDLSKHPSGIVPTLQNI VSTVNLDCKLDLKAIALQARNAEYNPKRFAAVIMRIREPKTTALIFASGKMVCTGAKSEQSSKLAARKYARI

>Q10178 no signal peptide
MSTVEDVEIERLRAERELLRRQKEAAKNSSTNGSVNIEGTQDSNDLQYNAHLFKSSNPKEEYDSAIDVRNDISQDEDDYKRTNDVNDYRLVLRQYEAPKE
MM

>Q10295 no signal peptide
MTTKQWGITPPISTAPATEQENALNTALINELKNQNLFESPAESEKRVKVLDELQQITTEFVKKVS LAKHMNEKMANEAGGKIFTYGSYRLGVYGP GSDI
MM

>Q10297 no signal peptide
MVESKIIKLLQVQSADPNSRIQAEGLRDLKDYHDFAAKLTDIASSGASVPLRQGS LIYLQRYIVHHWSPLFEQFQDGP IPDENVKKHVRETLLHLLVS
MM

>Q10303 no signal peptide
MHISTGMVRASISNTLVTLTIEGNNDRYQVILDKNVNAKQFVKTCWRNKKPLIVKEGKIFVDKGFPPDPCRTFLEALYEKYSYSSPLPSSVEFKSGKQVE
MM

>Q10315 no signal peptide
MGDPTNNNDSETKPNPATYWKSRFPVARIKKIMQADQDVGKVAQVTPVIMSKALELFMQSIIQESCKQTRLHQAKRVTVSHLKHAVQSVEQFDFLQDIVE
MM

>Q10357 no signal peptide
MFEVEYLKDCDDVNKNTLEQEFQDLNIEDWKWDAATGQLIVKGSVSPSKVLRRLLENATSKPILIRGASNKESGVSILYEANEDITQIPKVYGLCRFIPT
MM

>Q10574 no signal peptide
MSWEQYQMYVVPQCHPSFMYQGSIQSTMTTPLQSPNFSLDSPNYPDSLSNGGGKDDKKKCRRYKTPSPQLLRMRSAANERERRRNTLNVAYDELREVL P
MM

>Q10578 no signal peptide
MYDDEDEM VNDPMDGDYIDDSDEISAEAWQEACWVVISAYFDEKGLVRQQLDSFDEFVQMNVRIVEDSPPVELQSENQHLGTDMENPAKFS LKFNQIYL
MM

>Q10586 no signal peptide
MARPVSDRTPAPLLGGPAGTTPGGGALLGLRSL LQGTSKPKEPASCLLKEKERKAALPAATTPGPLETAGPADAPAGAVVGGGSPRGRPGVPVAPGLL
MM

>Q10587 no signal peptide
MSDAGGGKKPPVDPQAGPGPGGRAAGERGLSGSFPLVLK KLMENPPREARLDKEKGEKLEEDEAAAASTMAVSASLMPPIWDKTI PYDGESFHLEYMD
MM

>Q10654 no signal peptide
MLRSQAKNVDLTSQADSRHQKRKQAEQLDALKNPSEPAAKKQHSKGLTELRAHISGFKIDS AKRDP L GKSRTSRRDVENLPPQKSRYVDPCPHYDYDLE
MM

>Q10665 no signal peptide
MTPATAEVKVGGRKRKNDEPVFIKTKQSR SARREEEKENLLNKSLPSTPTSSEAGSSRESSNPVTSSRRKNPPTKLENIQKTLPTCSDGLEIRNYVKKY
MM

>Q10994 no signal peptide
MMCGAPSATQPATAETQAIADKVKSQL EEEKENKFFVFKALEFKSQLVAGKNYFIKVQVDEDDFVHIRVFESLPHENKPVALT SYQTNKGRHDELTYF
MM

>Q11207 no signal peptide
MANKLKVDELRLKLAERGLSTGVKAVLVERLEEAI AEDTKKEESKSKRKRNSNDTYESNKLI AIGEFRGMIVKELREEAIKRG LDTTGTKKDLLERLC
MM

>Q11208 no signal peptide
MEIDL PFKVEYSKSSRASCKGCKNKIEAGILRIAAMVQSAFHGDKQPNWFHEQCFFQKQRPTSAGDIENFENIRFEDQERIKK AIDNCTTVISAGGSKKG

>Q28570 no signal peptide
MEQKPSKVECGSDPEESSTRSPDGKRRKRNKGQCSLKTSMSTGYIPSYLDKDEQCVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLHPTYSCKYDSCCVID
MM

>Q28571 no signal peptide
MTPNSMTEENGLPAWDKPKPCPDGPEWKLVMSEACLHRKSHPERRGPLKHEQSPLIQASWTSSIFHLHDHDDVSDQSAPSAQAFQTEEEKCKGYIPSYLD
MM

>Q28598 no signal peptide
AYTRQQVLELEKEFHFNRYLTRRRRIEIAHTLCLSEAQVKIWFQNRMRKWKKDHKLPNTKMRSSNSGSASAGPPGKQPQTQSPHLHPH
MM

>Q28600 no signal peptide
GPDRKRGRQTYTRYQTLELEKEFHFNRYLTRRRRIEIAHALCLTERQIKIWFQNRMRKWKKEHKEEGPAAS
MM

>Q28601 no signal peptide
LAGSKHKEEKADLDPSNPVANWIHARSTRKRRCPTYKYQTLELEKEFLFNMYLTRDRRYEVARVNLNTERQVKIWFQNRMRKMKKMNKEKTDKEQS
MM

>Q28772 no signal peptide
NKEKDENLHEPPSSDDMKSDDESSQKDIKVSSRGRTSTNEDEDLNPEQKIEREKERRMANNARERLVRDINEAFKELGRMCQLHLKSEKQPQTKLLILHQ
MM

>Q28798 no signal peptide
MQSYASAMLSVFNDDYSPAVQQNIPALRRSSFLCTESYNSKYQRETGENSKDSVQDRVKRPMNAFFVWSRDQRKMALENPRMRNSEISKQLGYQWKM
MM

>Q28955 no signal peptide
PLLVEGRRVRLPQSAGDLVRAHPPEERARLLRGQSVQQVGPQGLLYVQQRELAVTSPKDGSVCILGSDDAT'TCHIVVLRHTGNGATCLTHCDGTDTKAE
MM

>Q28987 no signal peptide
MESEEMLAGGLTEPRPATPEIQEIANKVKPOLEEKTKKTYEKFEAIIYRSQVVAGTNYIYKVVHVGNSYVHIIVFQNLPLQNEPLKLIQYQVDTKDDEL
MM

>Q28988 no signal peptide
MESDKMMPGGLTEARPATPEIQEIIATTVKSQLEEKTNKTYEKFEAVEYKSQVVAGINYYIKVVHVGNSYVHIKVFKSLPYQNKPLELSGYQVDTKDDEL
MM

>Q29040 no signal peptide
MTMTLHTKASGMALLHQIQANELEPLNRPQLKIPLERPLGEVYVDSSKPAVYNYPEGAAYDFNAAAAASAPVYGQSGLAYGPGSEAAAFGANGLGGFQPL
MM

>Q29236 no signal peptide
SQAALAVNISAARGLQDVLRTNLGPKGTMKMLVSGAGDIKLTKDGNVLLHEMQIQHPTASLIAKVATAQDDITGDGXTSNVLIIGELLKQADLYISEGLH
MM

>Q29277 no signal peptide
DPKDRKKIQFSXPAPPSQLDPRQLEMIRRRRPTPAMLFRLXEHSSPEEEASPHQRAAGEGHHKSKRPNPCAYTPPSLKAVQRIAESHLQSIISNLGENQA
MM

>Q29290 no signal peptide
MMCAGPATSATQATAEIQAIADKVKSQLEEKENKTFPVFKAVEFKSQVVAGRNLFIKVQVDDDDFVHLRVFESLPHENKPLTLSSYQTNKSRHDELTYF
MM

>Q29293 no signal peptide
RVPVNQVFGQDEMIDVIGVTKGKGYKGVTSRWHTKKLPRKTHRGLRKVACIGAWHPARXAFSVARAGQKGYHHRTEINKKIYKIGQGYLIKDGKLIKNNX

>P00269 no signal peptide
 MKKYVCTVCGYEYDPAEGDPDNGVKPGTSFDDLPADWVCPVCGAPKSEFEAA
 MMM

>P00499 no signal peptide
 MLDNTRLRIAIQKSGRLSDDSRELLARCGIKINLHTQRLIAMAENMPIDILRVRDDIPGLVMDGVVDLGIIGENVLEEEELNRRAQGEDPRYLTLRRLD
 MMM

>P00935 no signal peptide
 MTRKQATI AVRSGLNDDQYGCVVPIIHLSSSTYNFTGFNEPRAHDYSRRGNPTRD VVQRALAELEGGAGAVLTNTGMSAIHLVTTVFLKPGDLLVAPHDC
 MMM

>P00959 no signal peptide
 TQVAKKILVTCALPYANGS IHLGHMLEHIQADVWVRYQRMRGHEVNFICADDAHGTPIMLKAQQLGITPEQMIGEMSQEHQTDFAFNISYDNYHSTHSE
 MMM

>P00960 no signal peptide
 MQKFDTRTFQGLILTLQDYWARQGCTIVQPLDMEVGAGTSHPMTCLELGPPEMAAAAYVQPSRRPTDGRYGENPNRLQHYQFQVVIKPSPDNIQELYL
 GMM

>P00963 no signal peptide
 MKTAYIAKQRQISFVKSHFSRQLEERLGLIEVQAPILSRVGDGTQDNLSGCEKAVQVKVKALPDAQFEVHSLAKWKRQTLGQHDF SAGEGLYTHMKALR
 MMM

>P02963 no signal peptide
 MKHLDYIHEVPSNCDYGTEDRSIYLTFFDDGPNPHCTPEILDVLAEYGV PATFFVIGTYAKSQPELIRRIVAEGHEVANHTMTHPDLSTCGPHEVEREIVE
 MMM

>P04338 no signal peptide
 MSSEVRWKICWENELEASDHAEADFFCKTYGPTGAFNAKPFETGRSWGGARPERRAIAYDSHG VASHMGLLRRFIKVGTTDLLVAELGLYGV RPDLEGL
 MMM

>P05827 no signal peptide
 MDLRDLKTFHLHAE SRHFGRSARAMHVS P STL SRQIQRLEEDLGQPLFVRDNRVTVLT EAGEELRVFAQQTLLQYQQLRHTIDQQGPSLSGELHIFCSVT
 MMM

>P06110 no signal peptide
 MTGMSNVSKLAGESGQEFVFTLGNEEY GIDILK VQEI RGYDQVTR IANTPAFIKGVTNLRGVIVP IVDLRVKFCEGDVEYDDNTVVI VLNLGQRVVG I
 MMM

>P06960 no signal peptide
 SDLYKKHFLKLLDFTPAQFTSLLTLAAQLKADKKNKGEVQKLTGKNIALIFEKDSTRTRCSFEVA AFDQGARV TYLGP S GSQIGHKESIKDTARV LGRMY
 MMM

>P06987 no signal peptide
 MSQKYLFI DRDGT LISEPPSDFQVDRFDKLA FEPGVIPELLK LQKAGYKLVMITNQDGLGTQSF PQADFDGPHNLMMQIFTSQGVQFDEV LICPHLPADE
 MMM

>P07862 no signal peptide
 TDKIAVLLGGTSAEREVSLNSGA AVLAGLREGGIDAYPVDPK EVDVTQLKSMGFQKVFIALHGRGGEDGTLQGMLELMGLPYTGS GVMASALSMDKLR SK
 MMM

>P08308 no signal peptide
 AFNMHNRNLLSLMHSTRELRYLLDLSRDLKRAKYTGTEQQHLKRKNIALIFEKTSTRTRCAFEVAAYDQGANVTYIDPNSSQIGHKESMKDTARV LGRM
 MMM

>P09316 no signal peptide
 MAVKVAINGFGRIGRLAARAILSRPDSGLELVTINDLGSVEGNAFLFKRDSA HGTYPGTVTTEGNDMVIDGKKIVVTAERDPANLPHK KLGVDIVMECTG

>P0A9K7 no signal peptide
MDSLNLNKHISGQFNAELESIRTQVMTMGGMVEQQLSDAITAMHNQDSLAKRVI EGDKNVNMMEVAIDEACVRI IAKRQPTASDLRLVMVISKTIAELE
MM

>P0A9L5 no signal peptide
AKTAAALHILVKEEKALLDLLEQIKNGADFGKLAKKHSICPSGKRGGDLGEFRQQMVPAFDKVVFSQVLEPTGPLHTQFGYHI I KVL YRN
MM

>P0AG86 no signal peptide
MSEQNNTTEMTFQIQRIYTKDISFEAPNAPHVFKDWQPEVKLDLDTASSQLADDVYEVVLRVTVTASLGEETAFLCEVQQGGIFSIAGIEGTQMAHCLGA
MM

>P0C0L2 no signal peptide
TIHKKGQAHWEGDIKRGKGTVSTESGVLNQQPYGFNTRFEGEKGTNPEELIGAAHAACFSMALSLMLGEAGFTPTSIDTTADVSLDKVDAGFAITKIALK
MM

>P10183 no signal peptide
MELRDLNLLVFNQLLVDRRVSITAENLGLTQPAVSNALKRLRSLQDPLFVRTHQGMEPTPYAAHLAEPVTSAMHALRNALQHHEFSFDPLTSERTFT
MM

>P10443 no signal peptide
MSEPRFVHLRVHSDYSMIDGLAKTAPLVKAAAALGMPALAITDFTNLCGLVKFYGAGHGAGIKPIV GADFNVQCDLLGDELTHLTVLAAANTGYQNLTL
MM

>P10902 no signal peptide
MNTLPEHSCDVLIIGSGAAGLSLALRLADQHQVIVLSKGPVTEGSTFYAQGGIAAVFDETDSDIDSHVEDTLIAGAGICDRHAVEFVASNARSCVQWLIDQ
MM

>P11724 no signal peptide
SVRHFLSFMDSPEELIGLIRRGSELKDLNRNGVLYEPLKSRVLGMVFEKASTRTRLSFEAGMIQLGGQAI FLSPRDTQLGRGEP I GDSARVMSRMLDGV
MM

>P11886 no signal peptide
MQPIRLGLVGYGKIAQDQHVPAINANPAFTLVSVATQGKPCPGVENFQSLGELLENGPPVDIAIAFCTPPQGRFALVQQALAAAGKHV LVEKPPCATLGKAA
MM

>P13857 no signal peptide
MTETIKVSESELELHAVAENHVKPLYQLICKNKTWLQOSLNPQFVQSEEDTRKTVQGNVMLHQRGYAKMFMIFKEDELIGVISFNRIEPLNKTA EIGYWL
MM

>P14145 no signal peptide
MDRDPDLPLNALRVFEVAMRQGSFTKAAIELRVTQAAVSHQVARLEDLLGTALFLRTSQGLIPTDEGRLLFPVLEHGFDAMSRLVLDRLGGRRDIEVLKGVV
MM

>P14218 no signal peptide
SQKFDVVVIGAGPGGYVAAIRAAQLGLKTACIEKYIGKEGKVALGGTCLNVGCIPSKALLDSSYKYHEAKEAFKVHGI EAKGVTIDVPAMVARKANIVKN
MM

>P14697 no signal peptide
MTQRIAYVTGGMGIGTAICQR LAKDGRVAVGCGPNSPREKWL EQQKALGFDF IASEGNVADWDSTKTAFDKVKSEVGEVDVLINNAGITRDVVFRKM
MM

>P15124 no signal peptide
MTPKDV LQI I KEKEVRYVDLRFADTRGKEQHVTVPASTIDEAAFEEGKMF DGSSIAGWKGINESDMI LMPDASTAVMDPFFDDPTLILRCDIVEPATMQG
MM

>P15214 no signal peptide
MKLYYTPGSCSLSPHIVLRETGLDFSIERIDLRTKKTESGKDFLAINPKGQVPVLQLDNGDILTEGVAIVQYLADLKPDRNLIAPPKALERYHQIEWLN F

>Q609J9 no signal peptide
MTHRTRFAPSPTGHLHIGGARTALFSWLYARKHGGTFILRIEDTDLERSTVESVNAILEGMTWLGLEYDEGPFYQTHRFDRYREVMEQLLEEGHAYRCYC
MM

>Q60AZ0 no signal peptide
MNSSPESTLEQASRLLAAGSVAELDQVRVRYLGKKGEFTEQMKTGLTLSPEERKEFGQRVNQARDEFQRLLEERRKAALAEALARRLSSETIDVTLPGR
MM

>Q60BG7 no signal peptide
MSAIKTRFAPSPTGLIHLGNARTALFSALGGDVFVLRIEDTDLERSRAEFVAELMNDLRWLGLDWQEGPRGAEPDPDWYQSRERGEIYATYYRLLLEEKGLA
MM

>Q60BS6 no signal peptide
MTSAELRARFLKFFADRGHVTVASSSLVPVNDPTLLFTNAGMVQFKDVFVLRGHRPYVRAASAQRCVRAAGGKHNDLENGYGTARHHTFFEMLGNFSFGDY
MM

>Q62GM6 no signal peptide
MAKDDVIQMQGEVIENLPNATFRVKLENGHVVLGHSKMRMHYIRIFPGDKVTVELTPYDLRARIIVFRAK
MM

>Q63Q08 no signal peptide
MARKTPIERYRNIGISAHIDAGKTTTTERILFYTG VNHKIGEVHDGAATMDWMEQEQRGITITSAATTAFFWKGMGNYP EHRINI IDTPGHVDFTEIEVE
MM

>Q63QT6 no signal peptide
MHERYVPADVEAAAQSDWRAADAYRSKEDANRKKFYCVSMLPYPSPGKLHMGHVRNYTINDVMYRYLRMNGYNTLMPMGWDAFGMPAENAAMANGVPPAQW
MM

>Q63TM2 no signal peptide
MVSIRLPDGSVRQYEHVPTVAEVAASIGPLAKAALGGKLDGELVDTLSALIDRDASLAIVTDKADGLDIIRHSTAHLLEYAVKELHPDAQVTIGPVIDN
MM

>Q63XK0 no signal peptide
MMSTSDAPLDPVEFIHSRIRTPDWPQPGVMFRDITPLLQSAKALRVLVDLFFVERYVDAKLDYIAGLDARGFI IAPIVAYELSVGFVPIRKVGLKLPYATQ
MM

>Q63Y06 no signal peptide
MLPAQKHTLETLENSVKQVVQASKGDADAFLVPAIALERPKVAAGHDVACNVALQLAKPLGANPRQLAEQIVAALTAQPEAAGLVDAAEIAGPGFINL
MM

>Q65R83 no signal peptide
MAKTIQAIRGMNDCLPTETPVQWVESKVRSTLASYGSEIRMPIVENTPLFARAIGEVTDVVSKEMFTFNDRDNESLTLRPEGTAGCVRAGIEHGLLYN
MM

>Q65TL3 no signal peptide
MKFSEQWVREWVNPVAVNTEQLCDQITMLGLEVDGVEAVAGEFNGVVVGEVVECAQHPDADKLRVTKVNVGGERLLDIVCGAPNCRQGLKVACAI EGAVLP
MM

>Q65TR1 no signal peptide
MTKIVSVAEVLQGRTAIGKVTVRGVRTRRDSKAGLSFLAVYDGSDFPIQAI INNDIVNYESEVLRLLTTGCSVIVTGTVSKSPAEGQAVELQAETVEV
MM

>Q65V95 no signal peptide
MRIIMATYTTSDFKPGLKFMQDGEPCVIVENEVFKPGKQAFTRTRIRKLISGKVLVDVNFKSGTSVEAADVMDLNLNYSYKDEDFWYFMHPETFEQYSAD
MM

>Q65W89 no signal peptide
MARITPIERYRNIGISAHIDAGKTTTTERILFYTG VSHKIGEVHDGAATMDWMEQEQRGITITSAATTAFFWSGMSQQFQQHRINV IDTPGHVDFTEIEVE

