

**Supporting Information S1.** The positive benchmark dataset contains 1,167 lysine succinylation fragments from 896 protein sequences (Liu et al. CPLM: a database of protein lysine modifications. Nucleic acids research 2014, 42, (D1), D531-D536). Each segment contains 31 amino acid residues with the succinylation site at the center marked with **K**. Listed are also the codes of the source proteins from which these peptide sequences are derived as well as the positions of their succinylation sites in proteins. See the main text for further explanation.

Code	Position	Fragments
B1XA46	100	PAETLDLIREYRVAI <b>K</b> GPLTTPVGGGIRSLN
B1XA46	242	LVHKGNIMKFTEGAF <b>K</b> DWGYQLAREEFGGEL
B1XB26	62	QGSQLTNKYAEGYPG <b>K</b> RYYGCEYVDIVEQL
B1XB26	242	THKTLAGPRGGLIL <b>A</b> GGSEELYKKLNSAVF
B1XB26	250	RGGLILAKGGSEELY <b>K</b> KLNSAVFPGGQGGPL
B1XB26	277	GGPLMHVIAGKAVAL <b>K</b> EAMEPEFKTYQQQVA
B1XB26	293	EAMEPEFKTYQQQVA <b>K</b> NAKAMVEVFLERGYK
B1XB26	331	NHLFLVDLVDKNLTG <b>K</b> EADAALGRANITVNK
B1XB26	346	KEADAALGRANITVN <b>K</b> NSVPNDPKSPFVTSG
B1XB26	354	RANITVNKNSVPNDP <b>K</b> SPFVTSGIRVGTPAI
B1XGN9	115	FLTDETARKHITAG <b>A</b> KVVMTGPSKDNTPMF
B1XGN9	124	HITAGAKKVMGTGPS <b>K</b> DNTPMFVKGANFDKY
B1XGN9	132	VVMGTGPSKDNTPMFV <b>K</b> GANFDKYAGQDIVSN
B1XGN9	192	HATTATQKTVDGPSH <b>K</b> DWRGGRGASQNIIPS
B1XGN9	213	RGASQNIIPSSTGAA <b>K</b> AVGKVLPELNGKLTG
B1XGN9	217	QNIIPSSTGAAKAVG <b>K</b> VLPELNGKLTGMAFR
B1XGN9	225	GAAKAVGKVLPELNG <b>K</b> LTMFAFRVPTPNVSV
B1XGN9	249	PTPNVSVVDLTVRLE <b>K</b> AATYEQIKA AVKAAA
B1XGN9	257	DLTVRLEKAATYEQI <b>K</b> AAVKA AEGEMKGV L
B1XGN9	261	RLEKAATYEQIKA AV <b>K</b> AAAEGEMKGV LGYTE
B1XGN9	331	TGYSNKVLDLIAHIS <b>K</b> SIHAILDLVKNSYGT
B1XEK8	9	FDFIKSMMSKIFDFV <b>K</b> PGVITGDDVQKVFQV
B1XEK8	72	VIVQFSNGGASFIAG <b>K</b> GVKSDVPQGAAILGA
B1XEK8	115	HYGVPVILHTDHC <b>A</b> KLLPWIDGLLDAGEKH
B1XEK8	231	RFTIAASFGNVHGVY <b>K</b> PGNVVLTPTILRDSQ
B1XEK8	251	VLTPILRDSQEYVS <b>K</b> KHNLPNLSLNFVFHG
B1XEK8	319	YKANEAYLQGQLGNP <b>K</b> GEDQPNKKYYDPRVW
B1XEK8	326	LQGQLGNPKGEDQPN <b>K</b> KYYDPRVWLRAGQTS
B1XEK8	348	VWLRAGQTSMIARLE <b>K</b> AFQELNAIDVLVDIA
B1XBY2	38	HGKTTLTAAITTVL <b>A</b> KTYGGAARAFDQIDNA
B1XBY2	177	DFPGDDTPIVRGSAL <b>K</b> ALEGDAEWEAKILEL
B1XBY2	249	RGIIKVGEEVEIVGI <b>K</b> ETQKSTCTGVEMFRK
B1XBY2	253	KVGEEVEIVGIKETQ <b>K</b> STCTGVEMFRKLLDE
B1XBY2	295	RGIKREEIERGQVL <b>A</b> KPGTIKPHTKFESEVY

B1XBY2	314	IKPHTKFESEVYILS <b>K</b> DEGGRHTPFFKGYRP
B1X843	63	TEATTTLWDKVMEGV <b>K</b> LENRTHAPVDFDTAV
B1X843	107	KQLEKIVGLQTEAPL <b>K</b> RALIPFGGIKMIEGS
B1X843	117	TEAPLKRALIPFGGI <b>K</b> MIEGSCKAYNRELDP
B1X843	124	ALIPFGGIKMIEGSC <b>K</b> AYNRELDPMIKKIFT
B1X843	195	GDYRRVALYGIDYLM <b>K</b> DKLAQFTSLQADLEN
B1X843	454	LAKTMLYAINGGVDE <b>K</b> LKMQVGPKEPIKGD
B1X843	467	DEKLKMQVGPKEPI <b>K</b> GDVLNYDEVMERMDH
B1X843	654	GRDQKGAVASLTSVA <b>K</b> LPFAYAKDGISYTF
B1XBY6	105	AGAELVGMEDLADQI <b>K</b> KGEMNFDVVIASPD
B1XBY6	154	NPKVGTVTPNVAEAV <b>K</b> NAKAGQVRYNDRKNG
B1XBY6	186	IHTTIGKVDFDADKL <b>K</b> ENLEALLVALKKAKP
B1XBY6	197	ADKLKENLEALLVAL <b>K</b> KAKPTQAKGVYIKKV
B1XBD9	70	KRQAVTNPQNTLFAI <b>K</b> RLIGRRFQDEEVQRD
B1XBD9	245	EDFDSRLINYLVEEF <b>K</b> KDQGIDLRNDPLAMQ
B1XBD9	246	DFDSRLINYLVEEF <b>K</b> KDQGIDLRNDPLAMQR
B1XBD9	304	DATGPKHMNIKVTRAK <b>L</b> ESLVEDLVNRSIEP
B1XBD9	359	TRMPMVQKKVAEFFG <b>K</b> EPRKDVNPDEAVAIG
B1XBD9	502	SAKDKNNGKEQKITI <b>K</b> ASSGLNEDEIQKMVR
B1XBD9	528	QKMVRDAEANAADR <b>K</b> FEELVQTRNQGDHLL
B1XBD9	587	LETALKGEDKAAIEAK <b>M</b> QELAQVSQKLMEIA
B1XDP7	51	RNVVLDKSFGAPTIT <b>K</b> DGVSVAREIELEDKF
B1XDP7	117	EGLKAVAAGMNPMDL <b>K</b> RGIDKAVTAAVEELK
B1XDP7	321	GMELEKATLEDLGQA <b>K</b> RVVINKDTTTIIDGV
B1XDP7	390	GVAVIKVGAATEVEM <b>K</b> EKKARVEDALHATRA
B1XBY5	81	SFTTFVTKTPPAVLL <b>K</b> KAAGIKSGSGKPNKD
B1X6H1	38	PVTVIEVEANRVTQV <b>K</b> DLANDGYRAIQVTTG
B1XD38	115	MLTNWKTVRQSIKRL <b>K</b> DLETQSQDGTDFDKLT
B1XDP6	34	TKSAGGIVLTGSAAA <b>K</b> STRGEVLAVGNRIL
B1XDV3	71	AKLAEVLAAANARAE <b>K</b> INALETVTIASKAGD
B1XDV3	112	RDIADAVTAAGVEVA <b>K</b> SEVRLPNGVLRTTGE
P00366	84	MVEGFFDRGASIVED <b>K</b> LVEDLKTRETEEQKR
P00366	110	EEQKRNRVRSILRI <b>K</b> PCNHVLSLSFPIRRD
P00366	162	KGGIRYSTDVSVDV <b>K</b> ALASLMTYKCAVVDV
P00366	363	LEDFKLQHGTILGFP <b>K</b> AKIYEGSILEVDCDI
P00366	415	IIAEGANGPTTPEAD <b>K</b> IFLERNIMVIPDLYL
P00366	457	WLNNLNHVSYGRLTF <b>K</b> YERDSNYHLLMSVQE
P00366	503	VPTAEFQDRISGASE <b>K</b> DIVHSGLAYTMERSA
P00366	527	YTMERSARQIMRTAM <b>K</b> YNLGLDLRTAAYVNA
P00366	545	LGLDLRTAAYVNAIE <b>K</b> VFRVYNEAGVTFTFT
P00346	239	STLTGRIQEAGTEVV <b>K</b> AKAGAGSATLSMAYA
P00346	301	PYFSTPLLLGKKGIE <b>K</b> NLGIGKISPFEEKMI
P00889	76	GQITVDMMYGGMRGM <b>K</b> GLVYETSVLDPDEGI
Q93077	96	PRHLQLAIRNDEELN <b>K</b> LLGRVTIAQGGVLPN

Q5QNW6	35	TKVQKKDGKKRKRSR <b>K</b> ESYSVYVYKVLKQVH
Q5QNW6	117	LLPGELAKHAVSEG <b>T</b> KAVTKYTSSKSSTYKT
Q5QNW6	121	ELAKHAVSEG <b>T</b> KAV <b>T</b> KYTSSKSSTYKTVAKT
Q71DI3	15	MMARTKQTARKSTGG <b>K</b> APRKQLATKAARKSA
Q71DI3	57	YRPGTVALREIRRY <b>Q</b> KSTELLIRKLFPQRLV
Q71DI3	80	KLPFQRLVREIAQDF <b>K</b> TDLRFQSSAVMALQE
Q71DI3	123	TNLCAIHA <b>K</b> RVTIM <b>P</b> KDIQLARRIRGERARE
P62805	32	KRHRKVLRDNIQG <b>I</b> T <b>K</b> PAIRRLARRGGVKRI
P62805	78	LE <b>N</b> VIRDAV <b>T</b> Y <b>T</b> EH <b>A</b> K <b>R</b> K <b>T</b> VTAMDVVYAL <b>K</b> R
P62805	92	AK <b>R</b> K <b>T</b> VTAMDVVYAL <b>K</b> RQGR <b>T</b> LYGFGGGFGY
P04912	14	SMMSGGKG <b>G</b> KAGSAA <b>K</b> ASQSRSAKAGLTFPV
P04912	22	GKAGSAAKASQSRSA <b>K</b> AGLTFPVGRVHRLLR
P02294	50	KVRKETYSSYIYKVL <b>K</b> QTHPD <b>T</b> GISQKSM <b>S</b> I
Q4AB57	36	AGLQFPVGRIHRLLR <b>K</b> GNYAERVGAGAPVYL
P84040	80	NVIRDAV <b>T</b> Y <b>T</b> EHAK <b>R</b> K <b>T</b> VTAMDVVYAL <b>K</b> RQ <b>G</b>
P10853	109	EIQ <b>T</b> AVRLL <b>L</b> PGELAK <b>H</b> AVSEG <b>T</b> KAVTKY <b>T</b> S
P10853	6	APASKAPE <b>P</b> MMPEPA <b>K</b> SAPAPKKGSKKAV <b>T</b> K
H3BJC6	4	FCRNSSIQKLAMMAL <b>K</b> QISSNRCFGGLQKV <b>F</b>
P25688	10	DHYHAMMAHYHDNYG <b>K</b> NDEVEFVRTGYG <b>K</b> DM
P25688	277	IHYFNIDMSKMGLIN <b>K</b> EEVLLPLDNPYG <b>K</b> IT
P25688	80	IIPTDTIKNTVHVL <b>A</b> KLRGIRNIETFAM <b>N</b> IC
P08228	10	VAKMAMMAMKAVCVL <b>K</b> GDGPVQGTIHFEQ <b>A</b>
P08228	123	SGEHSIIGR <b>T</b> MVVHE <b>Q</b> DDLGKGGNEEST <b>K</b> T
P30115	195	LLKALRSRVSNLPTV <b>K</b> KFLQPGSQRKPFDD <b>A</b>
P30115	138	KIKEQTRNRYFP <b>A</b> FE <b>K</b> VLKSHGQDYL <b>V</b> GNRL
D3YZQ9	42	RLPVSKDSKSKMATL <b>K</b> DQLIVNLLKEEQ <b>A</b> PQ
D3YZQ9	51	SKMATLKDQLIVNLL <b>K</b> EEQAPQ <b>N</b> KITVVG <b>V</b> G
D3YZQ9	163	QRNVNIFKFII <b>P</b> NIV <b>K</b> YSPHCKLLIVSN <b>P</b> VD
D3YZQ9	118	QHGSFLKTPKIVSS <b>K</b> DYCVTANSK <b>L</b> VI <b>I</b> TA
D3YZQ9	155	GESRLNLVQRNVNIF <b>K</b> FIIPNIVKYSPHCK <b>L</b>
D3YZQ9	113	EMMDLQHGSFLKTP <b>K</b> IVSSKDYCVTANS <b>K</b> L
D6RHN4	5	LYSQGTKWSGMMGSW <b>K</b> TGQSYLAAGLLKNQ <b>V</b>
D6RHN4	17	GSWKTGQSYLAAGLL <b>K</b> NQVAVVTGGGTG <b>I</b> GK
A2AL20	13	DSMMSDSRDPASDQ <b>M</b> KQWKEQ <b>R</b> ASQRPDV <b>L</b> T
A2AL20	129	GHLKDAQLFIQKKAV <b>K</b> NFTDVHPDYGAR <b>I</b> QA
A2AL20	125	ENIAGHLKDAQLFIQ <b>K</b> KAV <b>K</b> NFTDVHPDY <b>G</b> A
A2AL20	171	NAIHTYTQAGSHMAA <b>K</b> GKANLN <b>A</b> KGAAM <b>H</b> S
M0QWU8	8	KDFEAQSMMSQA <b>E</b> FD <b>K</b> AAEEVKRLKTQ <b>P</b> TDE
Q9QUH0	9	NVFEQAMMAQ <b>E</b> FVN <b>C</b> KIQSGKV <b>V</b> VFIK <b>P</b> TC <b>P</b>
Q9DCC7	178	VLILQLVKDAAHPQ <b>F</b> K <b>E</b> IQKILKEP <b>V</b> TDIG <b>L</b>
P97807	112	KRAAAEVNQ <b>E</b> YGLDP <b>K</b> IASAIMKA <b>A</b> DEVA <b>E</b> G
P97807	119	NQ <b>E</b> YGLDPKIASAIM <b>K</b> AADEVA <b>E</b> GK <b>L</b> NDH <b>F</b> P
P97807	220	LPGLQKLHDALS <b>A</b> KS <b>K</b> EFAQV <b>I</b> KIG <b>R</b> TH <b>T</b> Q <b>D</b>
P97807	77	DKYYGAQTVRST <b>M</b> N <b>F</b> KIGGATER <b>M</b> PI <b>P</b> VI <b>Q</b> A

P97807	58	SQNSFRVEFDTFGELKVPTDKYYGAQTVRST
P97807	63	RVEFDTFGELKVPTDKYYGAQTVRSTMNFKI
P97807	210	AAAVEVHKVLLPGLQKLHDALSAKSKEFAQV
P35486	244	MGTSVERAAASTDYKRGDFIPGLRVDGMDI
P35486	83	MQTVRRMELKADQLYKQKIIRGFCHLCDGQE
P35486	63	EGPPVTTVLTRDGLKYRMMQTVRRMELKA
P35486	385	SSDPPFEVRGANQWIKFKSVSVSKFKIWQNA
P35486	77	LKYRMMQTVRRMELKADQLYKQKIIRGFCH
P35486	321	EIQEVRSKSDPIMLLKDRMVNSNLASVEELK
P35486	277	VREATKFAAAYCRSGKGPILMELQTYRYHGH
P35486	313	GVSYRTREEIQEVRSKSDPIMLLKDRMVNSN
P07724	588	DDFAQFLDTCCKAADKDTCFSTEGPNLVTRC
P07724	543	AETFTFHSDICTLPEKEKQIKKQTALAEVLK
P07724	229	LVSSVRQRMKCSSMQKFGERAFAKAWAVARLS
P07724	223	GVKEKALVSSVRQRMKCSSMQKFGERAFAKAW
P07724	460	PTLVEAARNLGRVGTCCCTLPEDQRLPCVED
E9Q8F4	117	PDDLRAAGAQIQGMKEVLASDLVVKVRAPM
E9Q8F4	294	KESGEGQGGYAKEMSKEFIEAEMKLFAQQCK
E9Q8F4	70	KQLTVGVPKEIFQNEKRVALSPAGVQALVKQ
E9Q8F4	171	YPAQNPDLLNKLSEKTTVLAMDQVPRVTIA
D6RFD7	30	VSHFECRTQHSKAAHKQEPGLGFSFELTEQQ
D3Z7X0	478	LLVLKAAHLM DVAGNKAALAMAMIKMVVPS
D3Z7X0	535	FFGWAQTLRLGDDQLKVAKMELKNQSRLQEP
D3Z7X0	439	LALMKTRVMSRTAFGKPLVEQGTLADIARS
F6RAZ3	225	ALESARLLTWRAAMLKDNKKPFTKESAMAKL
F6RAZ3	65	VIMSVNNSLYLGPIILKFGSAQQKQWITPFT
Q99J08	393	SFTVEVLLPDKAAEEKMNQOGADTPKPTDAG
Q99J08	253	PVEYGGTMDPDGNPKCKSKINYGGDIPKQY
Q99J08	51	YFLLRWLRARSFDLQKSEAMLRKHVEFRKQK
Q99J08	257	GGTMDPDGNPKCKSKINYGGDIPKQYYVRD
Q99J08	11	VRGSMSGRVGDLSPQEEALAKFRENVQDV
Q8BWT1	209	NEAGYFNEEMAPIEVKTKKGKQTMQVDEHAR
Q8BWT1	211	AGYFNEEMAPIEVKTKKGKQTMQVDEHARPQ
Q8BWT1	312	VPAINGALKKAGLSLKDMDLIDVNEAFAPQF
Q8BWT1	137	MSQSPYCVNRNVRFGTKFGLDLKLEDTLWAGL
Q8BWT1	13	LAMMALLRGVFIVAAKRTPGAYGGLLKDFS
Q8BWT1	212	GYFNEEMAPIEVKTKKGKQTMQVDEHARPQT
Q8BWT1	214	FNEEMAPIEVKTKKGKQTMQVDEHARPQTTL
Q8BWT1	158	KLEDTLWAGLTDQHVKLPMGMTAENLAAKYN
Q8BWT1	171	HVKLPMGMTAENLAAKYNISREDCDRYALQS
Q8BWT1	234	VDEHARPQTTLQQLKLPVSFKKDGTVTAGN
Q8BWT1	191	REDCDRYALQSQQRWKAANEAGYFNEEMAPI
Q9CR57	189	KAAGQKAPAQKAAGQKAAPPAKGQKGQKTPA
Q9CR57	85	QKYVRKAWEKADINTKWAATRWAKKIDARER

P17182	335	LTVTNPKRIAKAASEKSCNCLLLKVNQIGSV
P17182	420	AKYNQILRIEEELGSKAKFAGRSFRNPLAKA
P17182	228	FAPNILENKEALELLKTAIAKAGYTDQVVIG
P02088	18	HLTDAEKAADVSLWGVNSDEVGGEALGRLL
P09411	48	QITNNQRIKAAVPSIKFCLDNGAKSVVLM SH
P09411	6	DLTLKNSLSMMSLSNKLTLDKLDVKGKRVVM
P09411	191	MVGVNLPQKAGGFLMKKELNYFAKALES PER
P09411	192	VGVNLPQKAGGFLMKKELNYFAKALES PERP
P09411	11	NSLSMMSLSNKLTLDKLDVKGKRVVMRVDFN
P09411	91	YSLEPVAAELKSLLGKDVLFKDCVGP EVEN
P09411	361	EAFARGTKSLMDEVVKATSRGCITII GGGDT
Q9DC50	406	ASDLQIAASTFTSFSGKLTKEEALHPDTFIQ
Q9DC50	181	CKVPGITRDSIMNYFKTESEGHCP THIAVLC
Q9DC50	40	VPAL EESLKKYLESVKPFANEDEYKKTEEIV
Q91YY4	133	NPTQRSKDQLIRAAVKFLD TDTICYRVEEPE
P51660	139	LRGSFQVTRAADHMKKQNYGRILMTSSASG
P51660	275	RNQPMTP EAVRDNWEKICDFS NASKPQTIQE
P51660	46	ER GALVIVNDLGGDFKGIGKGSSAADKVVAE
P51660	662	AVFEWHITKGGTVAAKWTIDLKSGSGEVYQG
P51660	724	FSGRLKARGNIMLSQKLQ MILKDYAKLKAYD
P51660	57	GGDFKGIGKGSSAADKVVAEIRRKG GKAVAN
P51660	355	ELQSIMYALGV GASVKNPKDLKFVYEGSADF
P51660	578	AKPVYPGQTLQTEMWKEGNRIHFQTKVHETG
P51660	423	QYLELYKPLPRSGELKCEAVIADILDKGSGV
P01942	41	GAEALERMFA SFPTTKTYFPHFDVSHGSAQV
P01942	8	KDEGSLVMMVLSGEDKSN IKAAWGKIGGHGA
D3Z636	68	HYISPFHDIPLKADCKEEHDI PRKKARND EY
D3Z636	254	PDGKPENKFAFNGEFKNKAFALDVINS AHER
D3Z636	256	GKPENKFAFNGEFKNKAFALDVINS AHERWK
D3Z636	246	NWFRLYKVPD GKPENKFAFNGEFKNKAFALD
D3Z636	100	NLFNMVVEI PRWTNAKMEIATEEPLNPIKQD
P56480	264	EMIESGVINLKDATSKVALVYGQMNEPPGAR
P56480	124	RTIAMDGTEGLVRGQKVLD SGAPIKIPVGPE
P56480	133	GLVRGQKVLD SGAPIKIPVG PETLGRIMNVI
P56480	198	LVTGIKVVDLLAPYAKGGKIGLFGGAGVGKT
P32020	511	TITMADSDLLALMTGKMNPQSAFFQGLKIA
P32020	470	IGGIFAFKVKDGP GGKEATWVVDVKNGKGSV
P32020	479	KDGP GGKEATWVVDVKNGKGSVLPNSDKKAD
P32020	341	QGGTLVDRGDNTYGGKVVINPSGGLISKGHP
P32020	491	VDVKNGKGSVLPNSDKKADCTITMADSDLLA
P32020	462	EGEQFVKKIGGIFAFKVKDGP GGKEATWVVD
P32020	492	VDVKNGKGSVLPNSDKKADCTITMADSDLLAL
P32020	454	EIEKKLEEEGEQFVKIGGIFAFKVKDGP GG
P32020	443	GDGFKANLVFKEIEKLEEEGEQFVKKIGGI

P32020	453	KEIEKKLEEEGEQFVKKIGGIFAFKVKDGP
P32020	524	TGKMNPQSAFFQGKLKIAGNMGLAMKLQNLQ
P32020	522	LMTGKMNPQSAFFQGKLKIAGNMGLAMKLQNL
P32020	274	MMTDLPSTFEEKSIIKVVGYSMSKEAARRCY
P32020	432	HQVSAAPTSSAGDGFKANLVFKEIEKKLEEE
P32020	464	EQFVKKIGGIFAFKVKDGGGKEATWVVDVK
P32020	282	FEEKSIIKVVGYSMSKEAARRCYEKSGLTPN
A2BGI8	19	EVGRMKIELFADVVPKTAENFRQFCTGEFRK
D3YVC1	58	GRGRGRGARGGKAEDKEWIPVTKLGRLVKDM
G3UYH1	54	NKLFINNEWHDAVSKKTFPTVNPTTGEVIGH
Q99J39	167	FLVQLRADLLEAQALKLVEGPHVREMNGVLK
Q99J39	221	EVLQKISECEAVHPVKNWMDMKRRVGPYRRC
Q99J39	346	PGFTKWLLGLLNVQGEHGRNELFTDSECQE
P50544	72	SSDASTREKPARAESKSFVGMFKGQLTIDQ
Q9WVM8	263	SMDVDGRVIRADTFSTVSSGLRVGFMTGPK
Q9WVM8	69	TVENGSTIRFEDDLIKRALQYSPSYGIPELL
Q9WVM8	367	AGMFLWIKVKGISDTKQLIEEKAIEREVLLV
Q9WVM8	172	INVPSDEHGIIEPEGLKKILSQWKPEDSKDPT
Q9WVM8	327	EEGFLAHIDRTIDFYKNQRDSILAAADKWLR
Q9WVM8	28	ARKPSPIRTTADILSKAPKTLISLAPGSPNP
Q8C196	522	GMGGQTALNCGVELFKRGVLKEYGVKVLGTS
Q8C196	119	GGAPDTTARDELGLNKYMESDGIKVAGLLVL
Q8C196	1444	DGSIDLVINLPNNNTKFVHDNYVIRRTAVDS
Q8C196	889	DKWFLYKMRDILNMDKTLKGLNSDSVTEETL
Q8C196	458	YSGSQAVKAMKEENVKTVLMNPNIASVQTNE
Q8C196	915	TEETLRKAKEIGFSDQISKCLGLTEAQTRE
Q8C196	612	SGICPNKETLIDLGTKAFAMTNQILVERSVT
Q8C196	1183	KFVEGAREVEMDAVGKEGRVISHAISEHVED
Q8C196	1232	QGAIEKVKDATTRKIAKAFASGPFNVQFLVK
Q8C196	575	KIAPSFAVESMEDALKAADTIGYPVMIRSAY
Q8C196	793	LDRFHGTSSRIGSSMSVGEVMAIGRTFEES
Q8C196	1360	AFLKAMLSTGFKIPQKGILIGIQQSFRPRFL
Q8C196	841	RLPMNKEWPANLDLKKELSEPSSTRIYAIK
Q8C196	287	QPLIQNVKKILES DRKEPLFGISTGNIITGL
Q8C196	400	TDTEYLFDSFFSLIKKGKGTITITSVLPKPAL
Q8C196	402	TEYLFDSFFSLIKKGKGTITITSVLPKPALVA
Q8C196	307	GISTGNIITGLAAGAKSYKMSMANRGQNQPV
Q8C196	1479	LTNFQVTKLFAEAVQKSRTVDSKSLFHYRQY
Q8C196	560	EDRQLFSDKLEINEKIAPSFAVESMEDALK
Q8C196	831	CHPSVDGFTPRLPMNKEWPANLDLKKELSEP
Q8C196	875	NNMSLDEIVRLTSIDKWFLYKMRDILNMDKT
Q8C196	57	KAKTAHIVLEDGTKMKGYSFGHPSSVAGEVV
Q8C196	1074	QIPNNLAVPLYKNGVKIMGTSPLQIDRAEDR
Q8C196	757	ALGIPLPEIKNVVSGKTSACFEPSLDYMVTK



Q8C196	919	LRKAKEIGFSDKQIS	K	CLGLTEAQTRELRK
Q8C196	603	SAYALGGLGSGICPN	K	ETLIDLGTKAFAMTN
Q8C196	1269	IECNLRASRSFPFVS	K	TLGVDFIDVATKVM
Q8C196	157	HWLATKSLGQWLQEE	K	VPAIYGVDTRMLTKI
Q8C196	55	SVKAKTAHIVLEDGT	K	MKGYSFGHPSSVAGE
Q8C196	1471	AVDSGIALLTNFQVT	K	LFAEAVQKSRTVDSK
Q8C196	892	FLYKMRDILNMDKTL	K	GLNSDSVTEETLRKA
Q8C196	1486	KLFAEAVQKSRTVDS	K	SLFHRYQYSAGKAAA
Q8C196	214	NLIAEVSTKDVKVFG	K	GNPTKVVAVDCGIKN
Q8C196	1291	IDVATKVMIGESIDE	K	RLPITLEQPIIPSDYV
Q8C196	1168	EEATRVSQEHPVVL	K	FVEGAREVEMDAVGK
F6T930	30	VLTGGDKAFAAGADI	K	EMQNRTFQDCYSSKF
F6T930	183	FATDDRREGMTAFVE	K	RKANFKDHDKFNKR
F6T930	44	IKEMQNRTFQDCYSS	K	FLSHWDHITRVKKPV
Q9JJL8	337	MVCASTCYRAETDTG	K	EPWGLYRVHHFTKVE
Q9JJL8	195	VGDESQARVVRVVG	K	PAFSFQPRGHLEIGE
P48962	272	CWRKIAKDEGANAFF	K	GAWSNVLRGMGGAFFV
P48962	43	PIERVKLLLQVQHAS	K	QISAEKQYKGIIDCV
P48962	92	NVIRYFPTQALNFAF	K	DKYKQIFLGGVDRHK
P48962	166	QREFNGLGDCLTKIF	K	SDGLKGLYQGFSSVS
P48962	63	EKQYKGIIDCVVRIP	K	EQGFLSFWRGNLNV
P48962	245	PFDTVRRRMMMQSGR	K	GADIMYTGTLDCLRK
P51174	81	KFFQEEVIPHHTWE	K	AGEVSREVWEKAGKQ
P51174	165	TKEQIEKFIPQMTAG	K	CIGAIAMTEPGAGSD
P51174	66	RIFSSEHDIFRESVR	K	FFQEEVIPHHTWEK
P51174	42	CSHSGAEARLETPSA	K	KLTDVGIRRIFSSEH
P51174	279	EDVRLPANALLGEEN	K	GFYYLMQELPQERLL
P51174	240	SPAHGISLFLVENGM	K	GFIKGRKLHKMGMA
P45952	69	KFAREEIIPVAPEYD	K	SGEYFPPLIKRAWEL
P45952	271	RVPKENVLIGEGAGF	K	IAMGAFTDRPTVAA
P45952	179	SAGSDVAAIKTKAEK	K	GDEYVINGQKMWITN
P45952	79	APEYDKSGEYFPPLI	K	RAWELGLINAHIPES
P45952	212	KANWYFLLARSNPDP	K	VPASKAFTGFIVEAD
P45952	217	FLLARSNPDPKVPAS	K	AFTGFIVEADTPGIH
P45952	259	CSDTRGIAFEDVRVP	K	ENVLIGEGAGFKIAM
Q8K2B3	250	IALCIEDGSIHRIRA	K	NTVIATGGYGRYFS
Q8K2B3	498	SIKANAGEESVMNLD	K	LRFADGSIRTSELRL
Q8K2B3	547	LQEGCEKISQLYGDL	K	HKLTFDRGMVWNTDL
Q8K2B3	167	ELENYGMPFSRTEDG	K	IYQRAFGGQSLKFGK
Q8K2B3	636	HWRKHTLSYVDIKTG	K	VTTYRVIDKTLNE
Q8K2B3	615	RVDEYDYSKPIQGQQ	K	KPFGEHWRKHTLSYV
Q8K2B3	538	AAVFRVGSVLQEGCE	K	ISQLYGDCLKHLKTFD
Q8K2B3	335	NSQGERFMERYAPVA	K	DLASRDVVSRSMTLE
Q9CQ69	33	SLSPFEQRAFPSYFS	K	GIPNVLRRTRERILR

E0CX19	220	DVHRAGIATHFVDSE	K	LRVLEEELLALKSPS
E0CX19	256	GVLESYHAKSKMDQD	K	SIIFEEHMDKINSCF
E0CX19	54	LERRGCGGVITLNR	P	KFLNALSLNMIRQIYP
E0CX19	249	PSAEDVAGVLESYHA	K	SKMDQDKSIIFEEHM
Q61425	95	KKFTENPKAGDEFVE	K	TLSCSLSTSTDAASVV
Q61425	241	YLIEAVRLHERGDAS	K	EDIDTAMKLGAGYPM
Q61425	212	LVDFCKTLGKHPVSC	K	DTPGFIVNRLLVPYL
Q61425	81	SKKGIEESLKRMAK	K	KFTENPKAGDEFVEKT
Q61425	80	KSKKGIEESLKRMA	K	KFTENPKAGDEFVEK
Q61425	202	PMTSQKTFESLVDFC	K	TLGKHPVSCKDTPGF
Q61425	206	QKTFESLVDFCKTLG	K	HPVSCKDTPGFIVNR
Q61425	125	VHSTDLVVEAIVEN	L	KLKNELFQRLDKFAAE
D3Z0K8	337	TRTLNLEKAGISTNP	K	NQKIIVDAQEATSVP
D3Z0K8	175	SFVDEHTVRGVDKGG	K	ATLLSAEHIVIATGG
D3Z0K8	79	KVAVADYVEPSPRGT	K	WGLGGTCVNVGCIPK
D3Z0K8	329	WAIGRVPETRTLNL	E	KAGISTNPKNQKIIVD
D3Z0K8	158	HRVQLQDRKVYFNI	K	ASFVDEHTVRGVDKG
Q78IK2	16	MAGAESDGQFQFTGI	K	KYFNSYTLTGRMNCV
Q99K67	93	ILQEDITEACLILGV	K	RPPEEKLMSKKTAF
Q99K67	707	FPGLNLEGYPNRDS	I	KYAEIYGISSAHTLLR
Q99K67	761	EAYPALRPEANPLTW	K	QLLCDLVGISRSSPC
Q99K67	253	LPCEYVEPHELREVS	K	TGDLRKVYGTVLSRH
Q99K67	732	AHTLLRGTLRYKGYS	K	ALNGFVKLGLINREA
Q99K67	138	LDEVLKQEIRLIDYE	K	MVDHRGSRIVAFQGW
Q99K67	780	CDLVGISRSSPCEKL	K	EVVFTKLGGDNTQLE
Q99K67	333	RLLTRQDAQSLLVPV	K	SSVVPVEGCPPELPHK
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Q99K67	286	LVRKTDGVYDPVEYE	K	YPERYTSRFNTDIAP
Q61176	39	VEKGPAALRKAGLLE	K	LKETEYDVRDHGDLA
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Q61176	17	SSKPKSLEIIGAPFS	K	GQPRGGVEKGPAALR
Q8BMS1	214	DMMLTGRNIRADRAK	K	MGLVDQLVEPLGPGI
Q8BMS1	350	ESKALMGLYNGQVLC	K	KNKFGAPQKNVQQLA
Q8BMS1	436	ERDSIFSNIQOLDY	K	GFEEKADMVIEAVFED
Q8BMS1	334	GYLAESQKFGELALT	K	ESKALMGLYNGQVLC
Q8BMS1	644	GRKSGKGFYIYQEGS	K	NKSLNSEMDNILANL
Q8BMS1	569	MMSEVMRILQEGVDP	K	KLDALTTGFGFPVGA
Q8BMS1	166	ELAIACQYRIATKDR	K	TVLGVPVLLGILPG
Q8BMS1	664	NSEMDNILANLRLPA	K	PEVSSDEDVQYRVIT
Q8BMS1	129	QEATRISQEGQRMFE	K	LEKSPKPVVAAISGS
Q8BMS1	230	MGLVDQLVEPLGPGI	K	SPEERTIEYLEEVAV
Q8BMS1	516	SPVDKMQLLEIITTD	K	TSKDTTASAVAVGLR
Q8BMS1	353	ALMGLYNGQVLC	K	KNKFGAPQKNVQQLAILG
Q8BMS1	646	KSGKGFYIYQEGSKN	K	SLNSEMDNILANLRL



Q8BMS1	295	QQVYKTVEEKVKKQT	KGLYPAPLKIIDAVKA
Q8BMS1	46	TSSALLTRTHINYGV	KGDVAVIRINSPNSKV
Q8BMS1	505	RPEKVIGMHYFSPVD	KMQLLEIITTDKTSKD
Q8BMS1	460	IEAVFEDLGVKHKVL	KEVESVTPEHCIFASN
Q8BMS1	390	GIAQVSVDKGLKTLL	KDTTVTGLGRGQQQVF
D6RIL6	193	QYKATDFVVDRACTF	KLVFTPKDGSSAKEWE
D6RIL6	106	QTNDQVTIDSALATQ	KYSVAVKCATITPDEA
D6RIL6	155	RNILGGTVFREPIIC	KNIPRLVPGWTKPITI
D6RIL6	80	FIKEKLILPHVDVQL	KYFDLGLPNRDQTNDO
D6RIL6	166	PIICKNIPRLVPGWT	KPITIGRHAHGDQYKA
P26443	477	SNYHLLMSVQESLER	KFGKHGGTIPVVPTAE
P26443	480	HLLMSVQESLERKFG	KHGGTIPVVPTAEFQD
P26443	90	DRGASIVEDKLVEDL	KTRESEEQKRNRVRGI
P26443	147	IEGYRAQHSQHRTPC	KGGIRYSTDVSVDVVK
Q9DCM2	158	VKAGMSTAQAQHFLE	KISTQQVKNKLIENDT
Q9DCM2	144	DEDI TEYQSILAAAV	KAGMSTAQAQHFLEKI
Q9DCM2	93	QVPLNIPKDFFGGETV	KKGSINAMRFLTTVSM
Q9DCM2	74	VPRKGQYIFKEIPLL	KQFFQVPLNIPKDFFG
Q9DCM2	116	RFLT TVSMEQPEMLE	KVSREIWMRVWSRDED
Q9DCM2	165	AQAQHFLEKISTQQV	KNKLIENDTAACKYGA
Q9DCM2	167	AQHFLEKISTQQVKN	KLIENDTAACKYGAFG
Q9DCM2	49	NIKLQLRPTLIAGIM	KDSGNQPPAMVPRKGQ
Q9DCM2	193	YGAFGLPTTVAHVDG	KTYMLFGSDRLELLAY
Q9DCM2	36	LGFEVLCRYQHLWNI	KLQLRPTLIAGIMKDS
H3BJQ7	145	VFVIEEWGRAHQAE	GVRLADPTGAFGKAT
P19783	60	PLPDVAHV TML SASQ	KALKEKEKADWSSLSR
D3Z4U1	45	NHVTRAHVYVEEVPW	KRFEKNGIKHVHAFIH
D3Z4U1	147	DFAI IWGA VRDIVLQ	KFAGPYDKGEYSPSVQ
D3Z4U1	112	FEGFLKDQFTTLPEV	KDRCFATQVYCKWRYQ
D3Z4U1	154	AVR DIVLQKFAGPYD	KGEYSPSVQKTLYDIQ
B1ASE2	85	FEKKYNALKIPVPED	KYTALVDQEEKEDVKS
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B1ASE2	117	AEFVSGSQLRIQEYE	KQLEKMRNIIPFDQMT
B1ASE2	78	KPGLVDDFEKKYNAL	KIPVPEDKYTALVDQE
Q9QYR9	447	VAQVDAWQQLOTFFH	KQLGSKSKSGLQKHFF
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P12710	49	DIKGVSEIVHEGKKI	KLTITYGPKVVRNEFT
P12710	96	AVVKLEGDNKMVTTF	KGIKSVTELNGDTITN
P12710	121	GDTITNTMTLGDIVY	KRVSKRIRKSVRKYVI
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Q91XE0	169	STGSGKPKAIDQDKF	KLSSLDVVHAALVNKF
Q91XE0	141	IKHSENILYVSSETI	KKLFP SLLDTKNLSTG
Q91XE0	16	MIVPLQGAQMLQMLE	KSLRKYLPESLKVYGT
Q91XE0	142	KHSENILYVSSETIK	KLFP SLLDTKNLSTGS

Q91XE0	256	GLVSFVVHSQDQIMT <b>K</b> RGYPVYSHTEKSNIA
Q91XE0	159	FPSLLDTKNLSTGSG <b>K</b> PKAIDQDKFKLSSLD
Q91XE0	161	SLLDTKNLSTGSG <b>K</b> PKAIDQDKFKLSSLDVV
Q91XE0	127	NKTIQNLASIQSFQI <b>K</b> HSENILYVSSETIKK
D3Z106	179	LVPEVESVASECPDL <b>K</b> TKLVVSDHSHEGWLD
D3Z106	507	SHDQEQLIKELQHHV <b>K</b> SVTAPYKYPRKVEFV
D3Z106	352	TTGGESLLPEEYEQW <b>K</b> QRTGLSIEHVGQSE
D3Z106	474	EHPAVAESAVVSSPD <b>K</b> DRGEVVKAFIVLNPE
D3Z106	200	SDHSHEGWLDFCSLI <b>K</b> SASPDHTCIKSKMKD
D3Z106	233	AIFFTSGTTGYPKMA <b>K</b> HNQGLAFRSYIPSCR
D3Z106	324	QCLAAPGVYRMVLQQ <b>K</b> TSNLRFPITLEHCTTG
D3Z106	514	IKELQHHVKSVTAPY <b>K</b> YPRKVEFVSELPKTV
Q3UUI3	89	PTRAIQEFQTLFVDS <b>K</b> FKKEEQMSKAQQFTR
Q3UUI3	197	SVVVVNSQLQKIEGR <b>K</b> LFVCTIQSIDEKTL
Q3UUI3	46	KVIRKDYALPNPSWT <b>K</b> DLRLLFDQFMKKCED
Q3UUI3	57	PSWTKDLRLLFDQFM <b>K</b> KCEDGSWKRMPSHRQ
Q99KI0	689	AALEPRHLGGRAIIT <b>K</b> SFARIHETNLKKQGL
Q99KI0	144	LIEAQVGGEKDLRRA <b>K</b> DINQEVYNFLATAGA
Q99KI0	31	GVRQYHVASVLCQRA <b>K</b> VAMSHFEPSEYIRYD
Q99KI0	411	SAAVAKQALAHGLK <b>K</b> CSQFTITPGSEQIRAT
Q99KI0	605	GKCTTDHISAAGPWL <b>K</b> FRGHLDNISNNLLIG
Q99KI0	736	VDKLTIQGLKDFAPG <b>K</b> PLKCVIKHPNGTQET
Q99KI0	628	ISNNLLIGAINIENG <b>K</b> ANSVRNAVTOEFGPV
Q99KI0	591	GKDLEDLQILIKVK <b>K</b> GCTTDHISAAGPWLKF
Q99KI0	723	TFADPSDYNKIHPVD <b>K</b> LTIQGLKDFAPGKPL
Q99KI0	730	YNKIHPVDKLTIQGL <b>K</b> DFAPGKPLKCVIKHP
Q99KI0	549	RSDFDPGQDQTYQHPP <b>K</b> DSSGQVRDVSPTSQR
Q99KI0	138	TIHCDHLIEAQVGGE <b>K</b> DLRRAKDINQEVYNF
Q99KI0	233	AGIPWELKCPK <b>K</b> VIGVLTGSLSGWTS
Q99KI0	577	SQRLQLLEPFDKWDG <b>K</b> DLEDLQILIKVKGKC
Q99KI0	50	SHFEPSEYIRYDLLE <b>K</b> NINIVRKRLNRPLTL
Q99KI0	228	AVDVMAGIPWELKCP <b>K</b> VIGVLTGSLSGWTS
Q99KI0	401	TNSSYEDMGRSAAVA <b>K</b> QALAHGLKCKSQFTI
P28474	233	RIIGIDINKDKFAKA <b>K</b> EFGASECISPQDFSK
Q8BJ64	507	SHVQSDKEIDAFVRA <b>K</b> ADSAYHPSTCKMGR
Q8BJ64	438	QVHVGTMRATSVGWL <b>K</b> LRSANPRDHPVIHPN
Q8BJ64	498	FRGKELQPGSHVQSD <b>K</b> EIDAFVRAKADSAYH
Q8BJ64	486	SREIFAQEALAPFRG <b>K</b> ELQPGSHVQSDKEID
P00329	340	SKDSVPKLVADFMA <b>K</b> FFPLDPLITHVLPFEK
P26043	83	QDVKKENPLQFKFRA <b>K</b> FFPEDVSEELIQEIT
Q8BWF0	347	NRFLVQRGIHDSFVT <b>K</b> FAEAMKKSLRVGNFG
Q8BWF0	114	SWKGVSVKERSLLLR <b>K</b> WYDLMIQNKDDLAKI
Q8BWF0	390	KAVEKVEKQVNDAVA <b>K</b> GATVVVTGGKRHQSGG
Q8BWF0	123	RSLLLRKWDYDLMIQN <b>K</b> DDLAKIITAESGKPL

P34914	176	PEPQIYNFLDRTLKAKPNEVVFLDDFGSNLK
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P34914	508	EKDIVLRPEMSKNMEKWIPFLKRGHIEDCGH
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O08749	143	HSVAVKALTGGIAHLFKQNKVVHVNGFGKITG
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O08749	166	NGFGKITGKNQVTATKADGSTQVIDTKNILV
O08749	334	TQNLGLEELGIELDPKGRIPVNNRFQTKIPN
O08749	410	THPEVAWVGKSEEQLKEEGIEFKIGKFPFAA
O08749	155	HLFKQNKVVHVNGFGKITGKNQVTATKADGS
D3YZC0	61	SLSSVEYEPKEKTFDKILIANRGEIACRVIK
D3YZC0	140	KRAKVNTIPGFDGVVKDADEAVRIAREIGYP
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P24270	449	SANEDNVTQVRTFYTKVLNEEERKRLCENIA
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E9PUY9	27	LNQVKLLKKDPGNEVKLRLYALYKQATEGPC
E9PUY9	126	SEDGITKITFNRPTKKN AISFQMYRDIILAL
E9PUY9	35	KDPGNEVKLRLYALYKQATEGPCNMPKPGML
E9PUY9	46	YALYKQATEGPCNMPKPGMLDFVNKAKWDAW
D3Z563	53	LKGTSKESAMKTYVEKVDELKKKYGIGYKKK
D3Z563	37	GLLDLKGKAKWDSWNKLKGTSKESAMKTYVE
B1AWZ5	105	YDNFAHRTAVRKALAKDKEWQERFLIPNLAF
B1AWZ5	48	NGTFYEFRTYFLKPSKTNEFLENFKNSVHLR
B1AWZ5	57	YFLKPSKTNEFLENFKNSVHLRTAHSEMIGY
B1AWZ5	45	RQSNGTFYEFRTYFLKPSKTNEFLENFKNSV
E9PWY6	323	DLLMESNAIIQSMAAKTRRFRSKMEAAGFTV
E9PWY6	42	ILDSELEGIRGAGTWKSERVITSRQGPSIRV
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D3Z4M7	64	LMKLRRKTGYSFVNCKKALET CGGDLKQAED
Q9CZU6	193	ESNFARAYAEGMNRACYWELIYEDCMDLIAK
Q9CZU6	375	QREFALKHLPKDPMFKLVAQLYKIVPNILLE
Q9CZU6	327	LTQLQKEVGKDVSDKLRDYIWNTLNSGRVV
Q9CZU6	393	AQLYKIVPNILLEQGKAKNPWPVNDAHSGVL
Q9CZU6	450	QLIWSRALGFPLERP KSMSTDGLMKFVDSKS

Q9CZU6	57	PKEQARIKTFKQOHGKT	TVVGQITVDMMYGGM
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Q99JY0	202	LNKAKTLGQRLSLLSK	FRLNFLSPELPAVAE
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Q99KR7	166	SQFFICTIKTDWLDGKH	VVFGHVKEGMDVVK
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P19157	82	NAILRHLGRSLGLYGKN	QREAAQMDMVNDGV
Q9EQI8	246	FFKALLLTGDFVQAGK	KSRHVWASKEELGDY
Q9EQI8	217	FLGNAPCGHYKFKFPK	AIQTESDLGVKVVFF
Q91Y97	330	GGKAANKKATQEAFMK	RAMANCQAAQGQYVH
Q9DBM2	274	GSGQARALQYAFFAEK	SANKWSTPSGASWKT
Q9DBM2	189	DPVEEAIKFAQTVIGK	PIEPRRILNKPVPSL
Q9DBM2	579	GRFGQKTGKGWYQYDK	PLGRIHKPDPWLSEF
Q9DBM2	586	GKGWYQYDKPLGRIHK	PDWLSEFLSQYRET
Q9DBM2	386	DLVIEAVFEDMNLKKV	FAELSALCKPGAFL
Q9DBM2	705	SDYLRLRLVAQGSPLK	EWQSLAGPHSSKLKS
Q9DBM2	38	AISPTVITEVRNGLQK	ASLDHTVRAIVICGA
Q9DBM2	278	ARALQYAFFAEKSANK	WSTPSGASWKTASAQ
Q9DBM2	181	ILDVVVKSDPVEEAIK	FAQTVIGKPIEPRRI
Q9DBM2	572	ADMLCEAGRFGQKTGK	GWYQYDKPLGRIHKP
Q9DBM2	288	EKSANKWSTPSGASWK	TASAQPVSSVGLGL
M0QWP3	183	FKLSTLDVTHAPLVDK	FWQFGGNERSQRFIG
D3Z6F5	255	PYSGCSMGEYFRDNGK	HALIIYDDLKQAVA
D3Z6F5	117	DALGNAIDGKGPIGSK	TRRRVGLKAPGIIPR
D3Z6F5	448	EQVAVIYAGVRGYLDK	LEPSKITKFENAFLS
D3Z6F5	481	ISQHQSLLGNIIRSDGK	ISEQSDAKLKEIVTN
D3Z6F5	180	QTGKTSIAIDTIINQK	RFDNGTDEKKKLYCI
B2RQC6	1325	IPEKNILLTIGSYKNK	SELLPTVRLLES LGY
P52196	14	VMMVHQVLYRALVSTK	WLAESIRSGRLGPSL
P52196	224	VNMPFMDFLTGDGFEK	SPEELRAIFQDKKVD
P52196	154	HPVTSEPSRPEPAVFKA	TNLSSLKTYEQVL
P52196	175	SLLKTYEQVLENLQSK	RFLVDSRAQGRYLG
P52196	293	EWFRRAPPETRVSQGK	SGKAKGSKGQSVRTE
Q9QXX4	485	SALSVVRDLGFFGIYK	GAKACFLRDIPFSAI
P56382	28	IRFSQICAKAVRDALK	TEFKANAECTSGSSI
P56382	32	QICAKAVRDALKTEFK	ANAECTSGSSIKIVK
P08249	185	TTLDIVRANTFVAELK	GLDPARVNPVIGGH
P08249	78	GVAADLSHIETRANVK	GYLGPEQLPDCLKGC
P08249	281	MNGKEGVVECSFVQSK	ETECTYFSTPLLLGK
P08249	296	KETECTYFSTPLLLGK	GLEKNLGIGKITPF
P08249	269	AGARFVFSLV DAMNGK	EGVVECSFVQSKETE
P08249	91	NVKG YLGPEQLPDCLK	GCDVVVIPAGVPRKP
P08249	314	LEKNLGIGKITPFEEK	MIAEAIPELKASIKK

P08249	335	IPELKASIKKGEDFV	K	NMKNKVFDEGKKIS
P08249	215	HAGKTIIP LISQCTP	K	VDFPQDQLATLTGRI
P08249	165	ITAEVFKKHGVYNPN	K	IFGVTTLDIVRANTF
D3YWM4	107	RAQAVHPGYGFLSEN	K	EFAKRLAAEDVTFIG
Q9DB15	153	TEAKPVDKVKLIKEI	K	NYVQGINLVQAKKLV
Q99LC5	203	APSSSSVGISEWLDQ	K	LTKSDRPELTGAKVV
Q99LC5	59	AGRLGGEVSCLVAGT	K	CDKVVQDLCKVAGVA
Q99LC5	232	VVVSGGRGLKSGENF	K	LLYDLADQLHAAVGA
Q99LC5	301	HLAGMKDSKTIVAIN	K	DPEAPIFQVADYGIV
Q99LC5	75	CDKVVQDLCKVAGVA	K	VLVAQHDAYKGLLPE
Q99LC5	85	VAGVAKVLVAQHDAY	K	GLLPEELTPLILETQ
Q99LC5	69	LVAGTKCDKVVQDLC	K	VAGVAKVLVAQHDAY
Q61941	331	STALIPGKKAPVLF	K	EMIESMKEGSSVVDL
Q61941	1079	MLLGDAKKTCDALQA	K	VRESYQKQYSERVKA
P38647	360	KLTRAQFEGIVTDLI	K	RTIAPCQKAMQDAEV
P38647	138	LIGRRYDDPEVQKDT	K	NVPFKIVRASNGDAW
P38647	300	HIVKEFKRETGVDLT	K	DNMALQRVREAAEKA
P38647	394	DIGEVILVGGMTRMP	K	VQQTVDLFGRAPSK
P38647	206	ITVPAYFNDSQRQAT	K	DAGQISGLNVLRVIN
P38647	368	GIVTDLIKRTIAPCQ	K	AMQDAEVSKSDIGEV
P38647	135	TKRLIGRRYDDPEVQ	K	DTKNVPFKIVRASNG
P38647	288	LGGEDFDQALLRHIV	K	EFKRETGVDLTKDNM
Q9JHI5	76	NLAPKAEIDQTNDF	K	NLREFWKQLGSLGVL
Q9JHI5	316	DHTIPYLHVREAFGQ	K	IGQFQLMQGKMADMY
Q9JHI5	239	TAFIVEKGMPGFSTS	K	KLDKLGMRGSNTCEL
Q9JHI5	260	GMRGSNTCELVFEDC	K	VPAANVLSQESKGVY
Q9JHI5	56	NGLNEEQQLRHTIS	K	FLQENLAPKAEIDQ
Q5FW57	270	DKRGYPVYNHTEQTN	K	VIQKMSHTLHHVPMP
P05202	73	KKMNLGVGAYRDDNG	K	PYVLP SVRKAEAQIA
P05202	404	EQVERLTKEFSVYMT	K	DGRISVAGVTSGNVG
P05202	234	VDPRPEQWKEIASVV	K	KNLFAFFDMAYQGF
P05202	338	GARIAATILTSPDLR	K	QWLQEVKGMADRIIS
P05202	90	YVLP SVRKAEAQIAA	K	NLDKEYLP IGG LAEF
P05202	396	FCFTGLKPEQVERLT	K	EFSVYMTKDGRISVA
P05202	363	ADRIISMRTQLVSNL	K	KEGSSHNWQHITDQI
P05202	185	RDAGMQLQGYRYDP	K	TCGFDFSGALEDISK
Q8VCW8	531	GGENIYPAELEDFFL	K	HPQVQEAQVVGVKDE
Q8VCW8	179	EYVLRKVGCKGIVFP	K	QFKTQQYYDILKQVC
Q8VCW8	478	IRGYCVMQGYWGEPQ	K	TFETVGQDKWYRTGD
Q8VCW8	182	LRKVGCKGIVFPKQF	K	TQQYYDILKQVCPEL
Q8VCW8	599	RYIVFVEGYPLTISG	K	IQFKLREQMEQHLK
Q8VCW8	340	HGATLLLSSPSFNGK	K	ALEAISREKGTLLYG
D3Z0E6	189	IEGKASAYVFASPGC	K	KWDTCAPEVILHAVG
Q8CHT0	129	EWDLKPMADRAQVFL	K	AADMLSGPRRAEVLA

Q8CHT0	461	EIFGPVLTVYVYPDD <b>K</b> YRETLQLVDSTTSYG
Q8CHT0	551	YILRWTSPQVIKETH <b>K</b> PLGDWRYSYMQMYSY
Q8CHT0	113	KALLNRAIDAALAAR <b>K</b> EWDLKPMADRAQVFL
Q8CHT0	357	YGGQKCSACSRLYVP <b>K</b> SLWPQIKGRLLEEHS
Q8CHT0	346	VVSGTLRSAFEYGGQ <b>K</b> CSACSRLYVPKSLWP
H3BL62	140	QEAASSFGDDRLLIE <b>K</b> FIDNPRHIEIQVLGD
E9PWN2	479	PCDWRTKTPVLIRAS <b>K</b> QWFVNITDIKAAAKE
E9PWN2	74	RYRDTVLLPQTSFPM <b>K</b> LLGRQQSDMELEIQQ
E9PWN2	667	MVHGFTLGEKGEKMS <b>K</b> SLGNVINPDTIISGG
E9PWN2	194	EIREKARSFAQAAIE <b>K</b> QKSAFVRWGVMAWNN
E9PWN2	56	VVRSVAGADSPQSSS <b>K</b> GGRYRDTVLLPQTSF
E9PWN2	241	VFYQMYEKGLVYRSY <b>K</b> PVYWSPSSRTALAEA
E9PWN2	500	ITDIKAAAKESLKT <b>V</b> <b>K</b> FIPGAALNSMTDMLD
P42125	275	DIQNFTSFISKDSIQ <b>K</b> SLHMYLEKLGKQKKGK
P42125	270	KQREADIQNFTSFIS <b>K</b> DSIQKSLHMYLEKLGK
P42125	71	SLSLECLTEFTISLE <b>K</b> LENDKSIRGVILTSE
P42125	283	ISKDSIQKSLHMYLE <b>K</b> LKQKKGKKQKLKELY
P42125	222	VGVDDEVVPEDQVHS <b>K</b> ARSVMTKWLAIPDHS
P42125	158	LLALCCDYRVMADNP <b>K</b> YTIGLNESSLGIVAP
A2AQY8	363	RFCFVKDKATLQAMD <b>K</b> RLCSSWKGEPOAQPEG
Q3TCD4	273	QLGQSPEACSSYTFP <b>K</b> MMGSAKAAEMLLFGK
B1AR13	65	VVAQKTPIRLELVAG <b>K</b> TYRWCVCGRSKNQPF
B1AR13	96	CDGSHFFQRTGLSPL <b>K</b> FKAQETRTVALCTCK
Q9CQ62	106	RNIDVLKATAEEISS <b>K</b> TGNKVHAIRCDVRDP
Q9CQ62	49	QSKDAPQSKFFQPVL <b>K</b> PMLPPDAFQGKVAFI
Q9CQ62	97	LGAQCVIASRNIDVL <b>K</b> ATAEEISSKTGNKVH
Q9CQ62	73	QGKVAFITGGGTGLG <b>K</b> AMTTFLSTLGAQCVI
Q99LB2	93	QGEGLSVTGIVCHVG <b>K</b> AEDREKLITTALKRH
Q99LB2	235	FSSVLWEEKAREDFI <b>K</b> EAMQIRRLGKPEDCA
Q99LB2	228	PGLIKTRFSSVLWEEK <b>K</b> AREDFIKEAMQIRRL
Q99LB2	106	VGKAEDREKLITTAL <b>K</b> RHQGIDILVSNAAVN
Q8K411	942	SIETLQSFSGKAVDWA <b>K</b> SGKFTQQDIDEAKLS
Q8K411	770	MTDIKPILRKLPRIK <b>K</b> YLLNCDNMRCSVNAT
Q8K411	848	SGSQIVRKLVTDP <b>T</b> <b>K</b> PCQMKTHFVLPFPVN
Q8K411	1026	GKSTHGLAILGPENS <b>K</b> IAKDPSWIIKIIWSP
Q9WTP7	189	KAYEAQTEPVLQYYQ <b>K</b> KGVLETFSGTETNKI
Q9WTP7	34	GKGTVSSRITKH <b>F</b> <b>K</b> HLSSGDLLRQNMLQG
Q9WTP7	29	GAPGSGKGTVSSRIT <b>K</b> HFELKHLSSGDLLRQ
Q9WTP7	57	LRQNMLQGT <b>E</b> IGVLA <b>K</b> TFIDQGKLIPDDVMT
Q9WTP7	64	GTEIGVLAK <b>T</b> FI <b>D</b> Q <b>G</b> KLIPDDVMTRLALHEL
Q91ZA3	509	DISTKFLSDVYPDGF <b>K</b> GHTLTLSERNQLLAI
Q91ZA3	492	NIPLREVIINTRF <b>V</b> <b>K</b> GDISTKFLSDVYPDG
Q91ZA3	381	VQEMILVAKGYPLRH <b>K</b> QEDIPISGWAVECRV
Q8QZS1	300	QDGSPFAIEQMKVIN <b>K</b> MSPTSLKITLRQLME



O35459	111	SKDSDCRAVVVSGAG	K	MFTSGIDLMDMASEL
A2AH52	174	NQORLNEYKRLMSLG	K	AYGIESHVLSPAETK
A2AH52	38	LGLQPLATEARPTTE	K	SVPYQRTLKEEAQGA
E9Q1J7	101	MFVEHRCADFGMAAD	K	NKFPGDSVVTGRGRI
E9Q1J7	454	KGHQDVEAAQAEYVE	K	FANPFPAAVRGFVDD
E9Q1J7	103	VEHRCADFGMAADKN	K	FPGDSVVTGRGRING
O09174	269	LPSQMSSADWPPEMKK	K	FADVFAKKTAEWCQ
O09174	100	EKLQLGPETLLQDNP	K	LIYARLSGFGQSGIF
O09174	117	IYARLSGFGQSGIFS	K	VAGHDINYLAISGVL
O09174	57	ENFLARGKRSLALDL	K	RSQGVTVLRRMCARA
O09174	204	YLSSFLWKTQPMGLW	K	QPRGQNILDGGAPFY
P62075	53	LLQRMTDKCFRKCIG	K	PGGSLDNSEQKCIAM
P63038	462	CIPALDSLKPANEDQ	K	IGIEI IKRALKIPAM
P63038	455	GGCALLRCIPALDSL	K	PANEDQKIGIEI IKR
P63038	236	RGYISPYFINTSKGQ	K	CEFQDAYVLLSEKKI
P63038	250	QKCEFQDAYVLLSEK	K	ISSVQSIVPALEIAN
P63038	202	SDAMKKVGRKGVITV	K	DGKTLNDELEI IEGM
P63038	292	DVDGEALSTLVLNRL	K	VGLQVVAVKAPGFGD
P63038	218	DGKTLNDELEI IEGM	K	FDRGYISPYFINTSK
P63038	352	VQAHDLGKVGEVIVT	K	DDAMLLKGKGDKAHI
P63038	233	KFDRGYISPYFINTS	K	GQKCEFQDAYVLLSE
B1AR28	174	AHQSIGFKGILLYGT	K	AQREKYLPRVASGQA
B1AR28	106	FFEEVNDPAKNDALE	K	VEDDTLQGLKELGAF
B1AR28	618	SPQHQELFRNFRSIS	K	AMVENGGGLVTGNPLG
G3UYY1	14	AXXADRDATLWASHE	K	MLSQPLKDSDAEVYS
P29758	392	LNAIVIRETKDCDAW	K	VCLRLRDNGLLAKPT
P29758	386	VRGKGLLNAIVIRET	K	DCDAWKVCLRLRDNG
P29758	107	HCHPKIIDAMKSQVD	K	LTLTSRAFYNNVLGE
Q8R164	184	TEEDSRIYQGIRDVS	K	WSEKARKPLEALYGY
Q8R164	260	PLVPRFHADFLLOHV	K	GSRLHLMPEGKHNLH
Q8R164	191	YQGIRDVSKWSEKAR	K	PLEALYGYDYLAKTC
Q8R164	271	LQHVKGSRHLHLMPEG	K	HNLHLRFADFNRLV
Q8R164	74	GEHAIIILLPGMLGSG	K	TDFAPQLQSLNKKRF
P51881	155	RLAADVGKAGAEREF	K	GLGDCLVKIYKSDGI
P51881	105	AFKDKYKQIFLGGVD	K	RTQFWRYFAGNLASG
A2A8E8	193	TRIPKPSRDELFTDT	K	ARHLLVLRKGFYVF
O55137	42	APEQPVTLRSVLRDE	K	GALFRAHARYRADSH
Q91X34	350	VHANQAI AQLMKNGK	K	NWTLLSYPGAGHLIE
Q91X34	346	LNSKVHANQAI AQLM	K	NGKKNWTLLSYPGAG
Q07417	51	ETHQMLRQTCRDFAE	K	ELVPIAAQLDREHLF
Q07417	306	VKYAENRNAFGAPLT	K	LQNIQFKLADMALAL
P09671	114	TIFWTNLSPKGGGEP	K	GELLEAIKRDFGSFE
Q99P30	178	ITQSGRDFIMHCFEY	K	DPETGVNYLIQGMTS
Q99P30	77	DKLKREPGEVCFPGG	K	RDPVDTDDTATALRE

Q99P30	20	CGLPEPVRNNLIDDA <b>K</b> ARLRKSDVGTRYSHL
Q99KR3	273	EHNLLLHLRKLEKDG <b>K</b> IFYTTTPVKKWKAVL
Q99KR3	282	KLEKDGKIFYTTTPV <b>K</b> KWKAVLVAKWKKVPT
Q9WVL0	177	ADVCLVPQVANAERF <b>K</b> VDLSPYPTISHINKE
P38060	48	VKIVEVGPRDGLQNE <b>K</b> SIVPTPVKIRLIDML
P38060	179	VRGYVSCALGCPYEG <b>K</b> VSPAKVAEVAKKLYS
P38060	137	KEVSVFGAVSELFTR <b>K</b> NANCSIEESFQRFAG
Q9DBT9	40	GLREGQESPASPEW <b>K</b> DRAETVIIGGGCVGV
Q9DBT9	250	NRIVNAAGFWAREVGM <b>K</b> MIGLDHPLIPVQHQY
Q9DBT9	788	DDVDPEGNESIWKY <b>K</b> VVGNTTSGSYSYSIQ
Q9DBT9	312	RDGLLFGPYESQEK <b>M</b> LQASWVTHGVPPGFG
Q9DBT9	516	SFRRTNWFEPVGSEY <b>K</b> QVMQRVGVIDLSPFG
Q9DBT9	141	GSIRLATTPVRVDEF <b>K</b> YQMTRTNWHATEQYI
Q9DBT9	427	EPPFDLIELDPNRYG <b>K</b> WTTTQYTEAKARESY
Q9DBT9	216	KYGALLKYPAPVTS <b>L</b> KPRPDGTWDVETPQGS
Q8QZT1	227	ALSSYTRSKEAWDAG <b>K</b> FASEITPITISVKGK
Q8QZT1	171	VPYVMSRGATPYGGV <b>K</b> LEDLIVKDGLTDVYN
Q8QZT1	199	VYNKIHMGNCAGENT <b>A</b> KMNISRQEQDTYALS
Q8QZT1	178	GATPYGGVKLEDLIV <b>K</b> DGLTDVYNKIHMGNC
Q8QZT1	260	VVVKEDDEEYKRVDFS <b>K</b> VPKLKTVPQKENGTI
Q8QZT1	263	KEDEEYKRVDFS <b>K</b> VPKLKTVPQKENGTTAA
Q8QZT1	335	IDFPLAPAYAVPKVL <b>K</b> YAGLKKEDIAMWEVN
D3Z2F2	191	ANGDKDIGNIISDAM <b>K</b> KVGRKGVITVKVTIV
D3Z2F2	125	GDGTTTATVLARSIA <b>K</b> EGFEKISKGANPVEI
D3Z2F2	72	PKGRTVIEEQSWGSP <b>K</b> VTKDGVTVAKSIDLK
E9QPD7	1097	NGQLRSILVKDTQAM <b>K</b> EMHFHPKALKDVKGO
A2CEK3	437	TRKQSVEDILKDHQ <b>K</b> FGRNFFTRYDYEEVE
Q9QXF8	238	VQVPGTGRDGSPGFS <b>K</b> FRLSYYPHCLASFTE
Q9QXF8	191	RNYDYILSTGCAPPG <b>K</b> NIYYKSDLTKDITTS
Q9QXF8	201	CAPPGKNIYYKSDLT <b>K</b> DITTSVLTVNNAHAM
Q99MR8	577	VTYNRDGSYDMQIDN <b>K</b> SFRVLGDLSSSEDGCT
P54071	272	AYDGRFKDIFQEIFD <b>K</b> HYKTDKDNKIWYEH
P54071	384	IASIFAWTRGLEHRG <b>K</b> LDGNQDLIRFAQTLE
P54071	256	QKKWPLYLSTKN <b>T</b> ILKAYDGRFKDIFQEIFD
P54071	413	LEKVCVQTVESGAMT <b>K</b> DLAGCIHGLSNVKLN
B1AXW4	7	GIKANGSSMMSSGNA <b>K</b> IGYPAPNFKATAVMP
B1AXW4	93	VDSHFCHLAWINTPK <b>K</b> QGGGLGPMNIPLISDP
P10518	252	AVARDIQEGADMLMV <b>K</b> PGLPYLDMVREVKDK
P36552	371	PIVKKHCDSDSYTPRD <b>K</b> LWQQLRRGRYVEFNL
Q9CPY7	79	SGKLREMLNISGPPL <b>K</b> AGKTRTFYGLHQDFP
Q9CPY7	489	HTKWAHLDIAGVMTN <b>K</b> DEIPYLRKGMSGRPT
Q9D6R2	58	GPEISASVMKIFDAA <b>K</b> APIQWEERNVTAIQG
Q9D6R2	343	EAACFATIKDGKSLT <b>K</b> DLGGNAKCSDFTEEI
Q9D6R2	200	EYARNNHRSNVTAVH <b>K</b> ANIMRMSDGLFLQKC

Q99L13	296	MAKDLGLAQDSATST <b>K</b> TPILLGSLAHQIYRM
Q99L13	78	PLILYDVFPDVCKEF <b>K</b> EAGEQVASSPAEVAE
Q99L13	140	GSLIDSSTIDPSVS <b>K</b> ELAKEVEKMGAVFMD
Q99L13	320	AHQIYRMMCSKGYSK <b>K</b> DFSSVFQYLREEEPF
Q99L13	241	MNLGIRSGLDPKLLA <b>K</b> ILNMSSGRCWSSDTY
Q99L13	59	IGLGNMGNPMAKNLM <b>K</b> HGYPLILYDVFPDVC
D3YVN7	234	SALCALEQRDPPELGV <b>K</b> SVQKLLDAVDTYIPV
D3YVN7	88	LTAATKILAEGGGA <b>K</b> FKKYEEIDNAPEERA
Q99LP6	94	KRALADTENLRQRSQ <b>K</b> LVEEAKLYGIQGFCK
E9Q5T5	66	RRVESLIQRDPVFNL <b>K</b> HLYFMTRDELYEDAV
D3Z3B0	129	TYIRDQGLYINDGSW <b>K</b> GKGKTGTGKGKWSG
Q99LB7	803	DDSPLEAGLAFTCKL <b>K</b> TSVPFLGREALEKQR
Q99LB7	392	IKSTVCGPESFTPDH <b>K</b> PLMGEAPELRGFFLG
Q99LB7	278	IQTPCVVNCAGVWAS <b>K</b> VGRMAGVKVPLVAMH
O35386	108	VKPPGIVIMRDVALA <b>K</b> QDYMPSDRMVSKIQD
O35386	59	FQYTLDNNVLTLEQR <b>K</b> FYEENGFLVIKNLVS
O35386	231	TLKPHDYPKWEGGVN <b>K</b> MYHGIQDYDPNSPRV
P54869	473	EEFTEIMNQREQFYH <b>K</b> VNFSPPGDTSNLFPG
P54869	83	VDQTDLEKFNNVEAG <b>K</b> YTVGLGQTRMGFCSV
P54869	342	KQNNLYKGLEAFRGL <b>K</b> LEETYTNKDVDKALL
P54869	243	QGLRGTHMENAYDFY <b>K</b> PNLASEYPLVDGKLS
P54869	350	LEAFRGLKLEETYTN <b>K</b> DVDKALLKASLDMFN
P54869	327	LARLMFNDFLSSSSD <b>K</b> QNNLYKGLEAFRGLK
P54869	447	GSPLEKLVSSVSDLP <b>K</b> RLDsRRRMSPEEFTE
P54869	256	FYKPNLASEYPLVDG <b>K</b> LSIQCYLRALDRCYA
P54869	221	RPTGGAGAVAMLIGP <b>K</b> APLVLEQGLRGTHME
P54869	118	NSLCLTVVQRLMERT <b>K</b> LPWDAVGRLEVGTET
Q3UNX5	67	FNFAKDVLDQWTNME <b>K</b> AGKRLSNPAFWWIDG
Q9CZL5	120	KVQITLTSHDCGGLT <b>K</b> RDVKLAQFIEKAAAS
A2APS4	129	ITPQMFGYAGKEHME <b>K</b> YGTKVEHFAKIGWKN
A2APS4	88	LALGFEEKMERGSIGT <b>K</b> FSDRTTPTDKHIEVL
A2APS4	167	TYSQFQDEYSLEEVM <b>K</b> SKPVFDFTILQCCP
A2APS4	124	LSAHPITPQMFGYAG <b>K</b> EHMEKYGTKVEHFAK
A2APS4	133	MFGYAGKEHMEKYGT <b>K</b> VEHFAKIGWKNHKHS
E9Q1G1	70	EASLKDYEETIGKAK <b>K</b> AWNIWADIPAPKRGE
P11352	86	VLGFPCNQFGHQENG <b>K</b> NEEILNSLKYVRPGG
P11352	146	LPTPSDDPTALMTDP <b>K</b> YIIWSPVCRNDIAWN
P11352	95	GHQENGKNEEILNSL <b>K</b> YVRPGGGFEPNFTLF
P11352	112	VRPGGGFEPNFTLFE <b>K</b> CEVNGEKAHPLFTFL
P09103	224	KKFDEGRNNFEGET <b>K</b> EKLLDFIKHNQLPLV
P09103	202	GITSNSGVFSKYQLD <b>K</b> DGVVLFKKFDEGRNN
P47199	298	QFAGLLQAGIEKGWV <b>K</b> PVIGSEYPLEKAAQA
Q9QXD1	453	GENTVLYLQVARFLM <b>K</b> SYLQAQVSPGSIPQK
Q9CZS1	401	LLCGGERLGERGFFI <b>K</b> PTVFGDVQDGMRIAK

Q9CZS1	416	KPTVFGDVQDGMRIA	K	EEIFGPVQPLFKFKK
Q9CZS1	366	GNPFELDTQQGPQVD	K	EQFERILGYIRLGQK
H7BWY3	447	RNSQEVGTYMLLKFA	K	LRDEFDIDVGDVRGKG
Q9R0H0	89	MREFGIADPEEIMWF	K	KLHVMNFVEPVGLNY
Q9R0H0	90	REFGIADPEEIMWF	K	KLHVMNFVEPVGLNYS
Q3U367	270	TGSVPTGVKIMEMSA	K	GVKPITLELGGKSPL
P40936	211	TLVTLRFQHYMVGPK	K	FSGVYLEKEVVEKAI
P40936	14	EMMEGKVYIGGEDYE	K	EFTPKDYLTYYYSFH
F7D3P8	34	RTVKVKSLNDITKRE	K	FSPLTANLMNLLAEN
F7D3P8	31	YIKRTVKVKSLNDIT	K	REKFSPLTANLMNLL
D3Z2Y8	139	MKDKGDAGVKELDSL	K	SDRLRTIQLNVCNSE
Q8BGA8	551	QEHVKTVTAPYKYPR	K	VAFISELPKTVSGKI
Q8BGA8	302	NGACIFVHELPRVDA	K	TILNTLCRFPITTL
D3Z1U3	127	NYTGRFLPGFEPTY	K	DTLLPKLPRCNLEII
D3Z1U3	93	IVREPWVEQDKFGKV	K	FAVLQTYGDTTHTLV
Q9EQ20	52	VPTVKLFIDGKFVES	K	SDKWIDIHNPATNEV
Q9EQ20	55	VKLFIDGKFVESKSD	K	WIDIHNPATNEVVGR
Q9EQ20	517	GIQFYTQLKTITSQW	K	EEDATLSSPAVVMPT
Q9EQ20	391	KEGASILLDGRRIKV	K	GYENGNFVGPTIISN
F6RPJ9	160	SCKDREVNAVDSEHE	K	NVMNDAWRLFQLEKA
F6RPJ9	665	AMYYLRLLMTEVAWT	K	DELKEALDDVTLPRL
F6RPJ9	456	PENVRVAIVSKSFEG	K	TDRTEQWYGTQYKQE
P62900	75	PDVRIDTRLNKAVWA	K	GIRNVPYRIRVRLSR
Q9DCN1	10	RKVSSMMSSVKRNP	K	KEMISELHSSAAEGNV
P52825	510	KHGRTETIRPASIFT	K	KRCSEAFVREPSKHSV
P52825	544	QHMAECSKYHGQLT	K	EAMGQGFDRHLFAL
P97450	99	KGEMDTFPTFKFDDP	K	FEVIDKPQSQPKDIV
P97450	84	QDLTRELYKLKQMYG	K	GEMDTFPTFKFDDPK
P53395	410	TFTLSNIGSIGGTYA	K	PVILPPEVAIGALGA
P53395	133	IKRLYYNLDDIAYVG	K	PLIDIETEALKDSEE
P53395	265	KDRTEPVTGFQKAMV	K	TMSAALKIPHFGYCD
P27773	218	ITIFRPLHLANKFED	K	TVAYTEKKMTSGKIK
P27773	494	YLQREATNPPIIQEE	K	PKKKKKAQEDLDEQA
A2AIW9	298	VDVDRSVAQYTGII	K	VERDMSNVSLGPTPI
Q9CPU0	88	LAYEDKNDIPKDKSE	K	TAWTFSRKATLELTH
O35423	334	HLHKHLQEMGLKFFV	K	DPEIRLPTITTVTV
Q9Z2I8	94	KEIVLKAQILAGGRG	K	GVFNGLKGGVHLTK
Q8JZN5	525	HYFGRTVETLLLRFG	K	NIVEEQLVLKRVANI
A2A848	205	IGPKFGYEEMDNGYL	K	MDNRYRIPRENMLMKY
A2A848	619	PLNKTEVHESYYKHL	K	PLQSKLKSQLPKLHK
A2A848	410	TARFLMKIYDQVQSG	K	LVGMVSYLNDLPSQ
A2A848	607	VYENLFEWAKKSPLN	K	TEVHESYYKHLKPLQ
A2A848	506	SEAHCHYVTVKVFAD	K	LPKIQDRAVQAVLRN
A2A848	224	YRIPRENMLMKYAQV	K	PDGTYVKPLSNKLT

A2A848	601	GRYDGNVYENLFEWA	K	SPLNKTEVHESYYK
A2A848	313	LLATAYAFHFLGRYI	K	ETYMRINESIGQGD
P11725	221	MSAAKFGMHLQAATP	K	GYEPDPNIVKLAEQY
P11725	231	QAATPKGYEPDPNIV	K	LAEQYAKENGTKLSM
P11725	289	KKKRLQAFQGYQVTM	K	TAKVAASDWTFLHCL
P11725	70	YMLWLSADLKFRIKQ	K	GEYLPLLQGKSLGMI
D3Z096	102	VNDPEAEKFHDIDDV	K	KFKPGYLEATLNWFR
D3Z096	94	DWKIIAINVNDPEAE	K	FHDIDDVKKFKPGYL
D3Z096	105	PEAEKFHDIDDVKKF	K	PGYLEATLNWFRLYK
D3Z096	125	EATLNWFRLYKVPDG	K	PENKFAFAFKNEPKG
Q9DC69	175	GVERFIHVSHLNASM	K	SSSKSLRSKAVGEKE
P24549	412	AKEEIFGPVQQIMKF	K	SVDDVIKRANNTTYG
E9Q296	548	EAYPGILGQKFLGSS	K	ADWMDSAAPLAAYRW
D3YYI5	61	MFQYDSTHGKFNGTV	K	AENGKLVINGKPITV
F6YFQ5	48	EPLLSRFTEEEEQQM	K	RMLQRMVLAKPSAA
G3UZY2	116	LAIKNGDVVDKFBVG	K	DEDQLEAFLKKLIGI
Q8CG76	244	RFYAYNPLAGGLLTG	K	YKYEDKDQKQPVGRF
O35490	386	DAWGVTKGAAELMQQ	K	EATTEQQRLRELFKQ
O35490	40	GDGGFVFALEKRGYV	K	AGPWTPEAAVEHPEA
O35490	349	GLDMHTKPWIRARAR	K	EYWQNLRIASGRPYN
Q99LC3	285	VEDIEYLKYNKGPWL	K	QDDWTFHYLRMLVQD
Q99LC3	350	PGRKYAPGYNAEVGD	K	WIWLKLWIWKDGVEA
E9QN44	137	QTCNVDWLKTVRGCS	K	VLLRPQTSEEVSQIL
P24369	116	MIQGGDFTRGDGTGG	K	SIYGERFPDENFKLK
Q9DBK0	229	ATISASRLCHGHPFL	K	SVDMFKFRGPSTVGD
Q9DBK0	160	RKVRLQHENTFNNIM	K	ESSRFSDSICNEEEG
Q9DB20	192	TDPSIMGGMIVRIGE	K	YVDMSAKSKIQKLSK
Q9DB20	176	LKSFLSPNQILKLEI	K	TDPSIMGGMIVRIGE
Q9DB20	162	SPLDDAVLSELKTVL	K	SFLSPNQILKLEIKT
Q9DB20	199	GMIVRIGEKYVDMSA	K	SKIQKLSKAMREMLM
G3X8P6	351	VRSVLLRGFDQEMAE	K	VGSYLEQQGVKFQRK
Q60759	240	WARCEDNCIRGFILE	K	GMRGLSAPRIEGKFS
D3YTT4	48	IDPSLGLNEEQKGFQ	K	VAFDFAAREMAPNMA
D3YTT4	301	AHASVILTQEHLKVR	K	QFGAPLARSQYLQFQ
Q9DCS3	316	IFKDLKLRGFWLSQW	K	KNHSPDEFKELILTL
Q9DCS3	267	KDLPLPRLALNCVGG	K	SSTELLRHLAPGGTM
Q9Z2Z6	170	CAKKLYQEFGIRGFY	K	GTVLTLMRDVPASGM
Q9DB77	199	NALANPLYCPDYRMG	K	ITSEELHYFVQNHFT
Q9DB77	92	LGTSHLLRLASSLTT	K	GASSFKITRGIEAVG
Q9WUM5	94	GTKLVGGTTPGKGGQ	K	HGLPVFNTVKEAKE
Q9WUM5	66	YIDKNTKIIICQGFTG	K	QGTFSQQALEYGTK
Q9WUM5	57	SYTASRKHIYIDKNT	K	IIICQGFTGKQGTFS
O88986	380	KKGIFVIGFSYPVVP	K	GKARIRVQISAVHSE
G3UWG1	73	ITWGEDTLMEYLENP	K	KYIPGTMIFAGIKK

G3UWG1	56	TGQAAGFSYTDANKN <b>K</b> GITWGEDTLMEYLEN
Q8BMF4	468	LLVRKELNKMLEGKG <b>K</b> ISVNDFIIKASALAC
Q8BMF4	371	AKKLAAEKGIDLTQV <b>K</b> GTGPEGRIIKKDIDS
Q9Z2I9	93	KSSDEAYAIAKKLGS <b>K</b> DVVIKAQVLAGGRGK
P16332	341	LWAHLIEKMFQPKNS <b>K</b> SLLLRAHCQTSGWSL
P16332	593	DRMVSGAYRQEFGES <b>K</b> EITSAIKRVNKFMER
P16332	604	FGESKEITSAIKRVN <b>K</b> FMEREGRRPRLLVAK
Q8C5H8	312	LASYYEISVDDGPWE <b>K</b> QKSSGLNLCTGTGSK
Q8C5H8	314	SYYEISVDDGPWE <b>K</b> QKSSGLNLCTGTGSKAW
A2AFQ2	107	AGIAVAIKTYHQKKN <b>K</b> IHTLEDFQRVINILH
A2AFQ2	222	APGLFATPLLTTLPE <b>K</b> VNRFLASQVPFPSRL
P62702	233	FATRLSNIFVIGKGN <b>K</b> PWISLPRGKGIRLTI
P62702	134	AKYKLCKVRKIFVGT <b>K</b> GIPHLVTHDARTIRY
D3Z6F9	113	EGQFNEENFVSKSDA <b>K</b> SMSSSTIMAVGAAEL
D3YV36	81	PSPAFWWVNGQGDEI <b>K</b> WSFRKLRLDLCRTAN
O88696	196	RGQATDIAIQAEEM <b>K</b> LKKQLYNIYAKHTKQ
G3UX44	178	IGKVGNIQOTNYASS <b>K</b> AGVIGLTQTAARELG
Q9CXJ1	256	ISHVLRGSEWLVS <b>T</b> S <b>K</b> HLLLYQALGWQPPRF
E9PVP0	270	VITYLAQVDPKGS <b>L</b> P <b>K</b> WVVKSSQFLAPKAM
E9PVP0	275	AQVDPKGS <b>L</b> PKWV <b>V</b> N <b>K</b> SSQFLAPKAMKKMYK
D3Z0Y2	185	SEEEAKQCFPKGV <b>F</b> T <b>K</b> ELPSGKKYLRYPQP
Q9D172	221	GTAEAIKALGAKHCV <b>K</b> GVTEAHVDQKNKVVT
Q6P8M1	46	DLQDVIERAIQIGV <b>K</b> FMITGGSLQDSKDAL
H7BXC3	74	EKVVFQTKVIADNV <b>K</b> DWSKVVLAYEPVWAI
H7BXC3	93	KVVLAYEPVWAIGT <b>G</b> TATPQQAQEVHEKLR
H7BXC3	60	CIGEKLDEREAGITE <b>K</b> VVFQTKVIADNVKD
A2ATU0	189	SQEFDHFLATKFATV <b>K</b> RYGGEGAESMMGFFH
A2ATU0	804	FKPVIGDSSVDPKN <b>V</b> TLIFCSGKHFYALLK
G5E823	362	IAELWDAGIKAEMLY <b>K</b> NNPKLLTQLHYCEKA
Q2TPA8	49	GANIVIAAKTTQKHP <b>K</b> LLGTIYTAAEEIEAA
Q64374	144	RHQGSLSLFPDHSV <b>K</b> KYFDQVDISNGLDWS
Q64374	244	PETGKRLQTVKLPVD <b>K</b> TTSCCFGGKDYSEMY
Q64374	253	VKLPVDKTTSCCFGG <b>K</b> DYSEMYVTCARDGLN
O88737	890	DTAVSGRGLAKHSAQ <b>K</b> ASARPRPESQEPKR
Q9CQB4	78	IKRALDLTMRHQILP <b>K</b> DQWTKYEEDKFYLEP
Q9CQB4	19	RSAVSASSKWLDGFR <b>K</b> WYYNAAGFNKLGLMR
Q3UW66	146	GFRHWNQNLPISSG <b>K</b> SHSEPAEFSAQLDPS
Q3UW66	40	SSQPLKLLDASWYLP <b>K</b> LGRDARREFEERHIP
Q3UW66	164	SEPAEFSAQLDPSFI <b>K</b> THEDILENLDARRFQ
O70250	241	PTKPMRFLGDEETVR <b>K</b> AMEAVAAQGKAKAKG
Q8K1R3	583	IKIIMEAIQQASVAK <b>K</b> EILQIMNKTISKPRA
E9Q5A0	411	RLRKQAEKNVEKKIC <b>K</b> FTEVLKTNGLLVLLG
Q9CQZ6	40	YRQWKIEGTPLETVQ <b>K</b> KLAARGLRDPWARNE
B1ATQ3	118	KANVKIFKSQGTAL <b>E</b> KYAKKSVKVIVVGNPA



H3BKG7	124	SLMLVTALNPHIGYD <b>K</b> AAKIAKTAHKNGSTL
E9Q5L3	284	KVPETNILGKIGHGY <b>K</b> YAIGSLNEGRIGIAA
E9Q5L3	278	LTFFENVKVPETNILG <b>K</b> IGHGYKYAIGSLNEG
Q9JHW2	123	VKHRKIHLFDIDVPG <b>K</b> ITFQESKTLSPGDSF
E9Q1I5	504	KTYQVAHMKSKDNRI <b>K</b> LMNEILNGIKVLKLY
E9QN99	173	YGDQDPMGSSSFQHL <b>K</b> QLPNHRVLVMEGAGH
F6TEU8	97	PEAVAARLRRYKDAA <b>K</b> PVIELYKSRGVLHQF
F8WJI3	36	VHELNTTVPTASFAG <b>K</b> IDASQTCKQLYESLM
E9Q197	170	WSNLLGMKIYEQDEE <b>K</b> QRALLGYADNQCKLE
E9Q197	109	SQAVSNARKLEWPLS <b>K</b> VAEGIFETEAPGGYK
Q3UXD9	83	PSSSAEVSIAIQCNIR <b>K</b> EEEEVSNLVKSTLAKY
P17751	56	TDLQRLEPGTMAPTR <b>K</b> FFVGGNWKMNGRKKC
P31230	267	DAFPGEPPDKELNPK <b>K</b> IWEQIQPDLHTNAEC
Q9EP89	288	QDSEARCRSAKPGKK <b>K</b> NDFEQGELYLKEKFE
H7BX88	294	YRNHVAGQMLHGGGS <b>K</b> FNSGNRWFDKTLQFI
Q8R3F5	312	SNVSGQKYTHPQHIR <b>K</b> LLGQQVVSPVKWEQT
Q80XN0	259	ATSLYSPERIQAI <b>K</b> MMWDDLPEVVRKDYGR
P52760	7	IVKRIISSMMSSIIR <b>K</b> VISTTKAPAAIGPYS
P52760	97	LLADMNDFGTVNEIY <b>K</b> TYFQGSIPARAAYQV
P52760	13	SSMMSSIIRKVISTT <b>K</b> APAAIGPYSQAVQVD
P50136	377	RQYLLNQGWDEEQE <b>K</b> AWRKQSRKKVMEAFE
P50136	353	DSSAYRSVDEVNYWD <b>K</b> QDHPISRLRQYLLNQ
F6VMP2	113	TLGSDMTNQMQQLSK <b>K</b> YNINPVSLTVGKQEA
F6VMP2	125	LSKKYNINPVSLTVG <b>K</b> QEAKLQSLVESQDLV
G3X9L6	148	IDDLNEIFPETKLDK <b>K</b> YPYWPHQPIENLNEI
G3X9L6	144	DQMTIDDLNEIFPET <b>K</b> LDDKKYPYWPHQPIEN
Q8JZQ2	600	EHADPLLKVSIIPRG <b>K</b> GLGYAQYLPKEQYLY
Q8JZQ2	330	AKLEIMEFVNFLKNP <b>K</b> QYQDLGAKIPKGAIL
D3YYK0	116	IPEKVPHSQARKLAD <b>K</b> QLSSVVKEAGIRQFL
Q9WU19	357	LAMALSGCQNVKVID <b>K</b> TLVRKNPLAVSKIKS
D3Z2B3	334	SGILHPHCKLCVFMG <b>K</b> TDPQAPRHQQQSMML
Q99N87	414	PEPEVPDTKLDWQDV <b>K</b> AMQGLKRSVWFNLKR
Q3UNZ8	328	QGLIHPHTGAVFKLE <b>K</b> INDAFLHVMQRKSTG
Q8K4Z3	138	RHLKLFQYQPTIYYP <b>K</b> RPNKPLFTGLVTQCQ
P55050	47	GAHDNLKLTITQDGN <b>K</b> FTVKESSNFRNIDVV
P10639	8	KSEILKVMVVKLIES <b>K</b> EAFQEALAAAGDKLV
P10639	94	FYKKGQKVGEFSGAN <b>K</b> EKLEASITEYAYETI
P10639	85	EVKCMPTFQFYKKGQ <b>K</b> VGEFSGANKEKLEAS
Q9CQN1	326	FQHEEFYRYIAQAYD <b>K</b> PRFTLHYKTDAPLNI
O55125	191	PQPRAGPNIYELRTY <b>K</b> LKPGTMIEWGNWAR
F6WUQ1	31	GQAEFDKAAEEVKRL <b>K</b> TQPTDEEMLFYISHF
P61922	252	DIPSFDWPIAPFPRL <b>K</b> YPLEEFTTDNQQEEA
P61922	413	IIKREDLLNNVARVG <b>K</b> TLLTGLLDLQAQYPQ
D3YWR7	41	DAILCVAGGWAGGNA <b>K</b> SKSLFKNCDMMWKQS

Q504N4	135	KVQLEPIPGRLLQAEKSVRVFERSVYSDRYI
Q9CQQ7	144	EEKIAQLEEVKQSSMKQIQDAIDMEKAQQAL
Q9CQQ7	225	KEEEHMIDWVEKHVVKSISVQQEKETIAKCI
Q8BFP9	403	KALSTESVERLPVYNKAAWKHYKANHEADDW
P63017	328	TLDPVEKALRDAKLDKSQIHDIIVLVGGSTRI
P62301	27	SQSALPYRRSVPTWLKLTSDDVKEQIYKLAK
A2AE89	50	MGDAPDFDRSQWLNEKFKLGLDFPNLPYLID
P28271	639	NALAAPSEKLYAWNPKSTYIKSPFFESLTL
Q9D1I5	116	LHPLGSDSPITGFLOKNKAGGMHHVCIEVDN
D3YVY3	93	PDEKRVEEFKLKQMWKSPNGTIRNILGGTVF
Q68FE8	7	DSKIYTTVMVTTYIKSDLQLDGRQFFQPKD
F8WGL3	92	DKDCRYALYDATYETKESKKEDLVFIFWAPE
D3YZ54	341	WKTLEKMKSNIAISKELASQKSLPMNYTV
D3YZ54	542	KPCLLNIMIEPQSTRKAQDFHWLTRSNMNSR
Q9CQA3	276	PGKAIAEIKKMMATYKEKRALALARKEYTA
A2AKU9	49	RLKSIKNIQKITKSMKMVAAAKYARAERELK
A2AKU9	154	GILYRTHSDQFLVSFKDVGGRKPPTFGDASVI
Q5SX46	25	LDLVKNRMQLSGEGAKTREYKTSFHALTSIL
P22315	135	ERRIGGGSPIKMWTSKQEGGMVKLLDELSPA
P22315	412	SLNCPLCVNPVCRKTKSFFTSQQQLQQSTFFS
P22315	287	PYPQEVGATVHKVMEKLGYPNPYRLVWQSKV
Q8R086	88	EHRCRASQESPRMYSKEDVRSHNNPKTGWWV
Q3TC72	202	VAHDVSARDWQMRNGKQWLLGKTFDTCPLG
Q3TC72	128	LNYADHCQEQNVRVPKSPIIFSKESSSIVGP
Q9D6Y7	104	TQVGFAAGHTRNPTYKEVCSEKTGHAEVVRV
Q9D6Y7	183	EAALRSKEEYQKVLSKHNFGPITTDIREGQV
Q9DBP5	106	IDGFPRNQDNLQGWNKTMDGKADVSVLFFD
Q8CFA2	368	SPSLKKNVAMGYVPFKYSRPGTQLLVEVRRK
Q8K215	47	AVRRIRDAFRENKNVKDPVEIQALVNKAKRD
P58710	398	YETIMKKFGGRPHWAKAHNCTRKDFEKMYPA
Q9CQE1	166	FQMKPGGPALWGNAFKRAVNAHVELGYSTLV
A2A7A7	213	FFQEEEMYRVDHYLGKQAVAQILPFRDQNRK
D3YTQ5	272	SRRGQEVLTRVKQFMKQHVFPAAEKEVAEYYA
D3YTQ5	250	LSKRTLRTTPQADAKSQLFAQSRRGQEVLT
Q9DCM0	172	LIRGCGRTDFQQGCAKTLYHSVHEKIFTLPG
P23589	66	SSAEGTRQSPINIQWKDSVYDPQLAPLRVSY
P02089	60	SFGDLSSASAIMGNPKVKAHGKKVITAFNEG
B1AQR8	110	GMPFELCFLVQRSEFKVMVNKKFFVQYQHRV
F8VPN3	82	FTRHNGTGGRSIYGEKFEDENFILKFLASCP
F8VPN3	114	TAKTEWLDGKHVVFGKVKEVMNIVEAMECFG
P03930	46	QTFPLAPSPKSLTTMKVKTPWELKWTKIYLP
P03930	54	PKSLTTMKVKTPWELKWTKIYLP HSLPQQQP
P03930	48	FPLAPSPKSLTTMKVKTPWELKWTKIYLP HS
D3Z4I2	51	SSAAAHTTEKTQIRPAKSSRPVFDWKDPLILE

O35857	177	SVSKSGEKLGKTAAF <b>K</b> AISQGVESVKKELDE
Q7TNG8	335	EAITQDNNGSHFSWA <b>K</b> EAEKRNELWAARHNA
Q7TNG8	422	ILLVDPDDAEEQRRV <b>K</b> AFAENLGRRALALGG
Q9D2G2	354	MNYADIERTINELGE <b>K</b> ARKNELAIEDMDGGT
G3UYG6	1120	VGVSNRQNKKEVEEEE <b>K</b> LLKLFQGVNKAQDGF
Q8R2K3	122	RIFVEGKVDYGEYMD <b>K</b> NNVRRQATTIIADNI
P62717	76	IVYCGQVFEKSPLRV <b>K</b> NFGIWLRYDSRSGTH
B1AWZ3	89	TVGFGGRINTVFHIW <b>K</b> YDNFAHRAAVYKALA
Q6P1B1	130	SRVGVDPLIIPTDYW <b>K</b> MAKVLRSAGHHLVP
A2BH06	162	KKRRRTGCIGAKHRIS <b>K</b> EEAMRWFQQKQQFWR
Q9CWB7	99	HLNGQFLMMHRVNTS <b>K</b> LEKQLRKLEQQVLAT
D3Z1G7	167	RLSDYLFTVARYAAM <b>K</b> EGSQEKIYKKHDVDH
P68040	183	CGWDKLVKVWNLANC <b>K</b> LKTNHIGHTGYLNTV
P68040	175	SSNP IIVSCGWDKLV <b>K</b> VWNLANCKLKTNHIG
E9PYA3	158	DTKVYCGHEYTVNNL <b>K</b> FARHVEPGNAAIQEK
F8WIT2	3	SGRYMAGQAIKAMMA <b>K</b> IAQGAMYRGSVHDFP
Q9DCV4	245	NPPSSTYEEALRYFH <b>K</b> AEEVDPNFYSKNLLL
Q62452	97	EDLDREFKYLSYTQW <b>K</b> TPEHSIRSFLTGSAR
B0R1E3	7	QAKAIEDAMMADEIA <b>K</b> AQVAQPGGDTIFGKI
P16045	108	DQADLTIKLPDGHEF <b>K</b> FPNRLNMEAINYMAA
D3Z1A9	21	TTLQKMGKKQNGKSK <b>K</b> VEEAEPEEFVVEKVL
P28078	6	VAGSKQEHEMMEHEQ <b>K</b> SGAVLLRLLRLLWLL
D3Z7C6	7	YWKASAPQMMQPASA <b>K</b> WYDRRDYVFIEFCVE
Q9Z204	8	KNTVNSAMMASNVTN <b>K</b> TDPRSMNSRVFIGNL
P15864	121	KLNKKAASGEAKPQ <b>K</b> AKAGAAKAKKPAGAAK
P15864	46	VRRKASGPPVSELIT <b>K</b> AVAASKERSGVSLAA
P15864	34	PAKKKAAKKPAGVRR <b>K</b> ASGPPVSELITKAVA
P70378	199	GNRVKKTKAAAHFVP <b>K</b> LLEVAMYREPSLHSV
B7ZC50	112	GMTKADLINNLGTIA <b>K</b> SGTKAFMEALQAGAD
P11438	145	IYTMDSSTDIKADIN <b>K</b> AYRCVSDIRVYMKNV
Q8K009	70	PKDGKADPLALAAE <b>K</b> DGTPVFKFPRWRLKG
P08113	360	RPSKEVEEDEYKAFY <b>K</b> SFSKESDDPMAYIHF
Q80X90	1572	TDQEGKPQRATVHDN <b>K</b> DGTYAVTYIPDKTGR
Q80X90	349	AGQHISKSPFEVNVD <b>K</b> AQGDASKVTAKGPGL
Q80X90	551	KSPFEVQVGPEAGMQ <b>K</b> VRAWGPGLHGGIVGR
Q80X90	1232	PAWVKVEPAIDTSGI <b>K</b> AFGPGIEGKDVFREA
Q80X90	1510	VKYADEEIPRSPFKV <b>K</b> VLPTYDASKVTASGP
Q80X90	1416	YGGVHIPGSPFRVPS <b>K</b> DVVDPSKVKIAGPGL
Q8VCG1	103	SAYDYTISPMEKAIV <b>K</b> TDIQIAVPSGCYGRV
P11499	559	PEDEEEKKKMEESKA <b>K</b> FENLCKLMKEILDKK
E9Q5T3	228	PKIPKGPSSVEDIK <b>K</b> MQASIEKGGSLPKVE
B8JJK2	56	RPTRPDKARRLG <b>K</b> YKAQGYVIYRIRVRRGGR
P62827	159	LQYYDISAKSNYNF <b>K</b> PFLWLARKLIGDPNL
Q8VDD5	1793	NARQQLERQNKELKA <b>K</b> LQEMESAVKSKYKAS

Q8VDD5	1209	HSQAVEELADQLEQT <b>K</b> RVKATLEKAKQTLEN
Q8VDD5	1754	EEEQGNTTELINDRL <b>K</b> ANLQIDQINTDLNLE
Q8VDD5	1372	KQIATLHAQVTDMM <b>K</b> MEDGVGCLETAEEAK
Q8VDD5	1454	LEKKQKKFDQLLAE <b>E</b> KTISAKYAEERDRAEA
Q8VDD5	299	AGEHLKTDLLLEPY <b>N</b> KYRFLSNGHVTIPGQQ
Q8VDD5	651	FKTRKGMFRTVGQ <b>L</b> YKEQLAKLMATLRNTNP
Q8VDD5	1410	EGLSQRLEEKVAAYD <b>K</b> LEKTKTRLQQELDDL
Q8VDD5	1806	KAKLQEMESAVKSKY <b>K</b> ASIAALEAKIAQLEE
B7FAU9	906	KPTHFTVNAKTAGKG <b>L</b> DDVQFSGLAKGDAVR
B7FAU9	2599	VGVHGPRTPC <b>E</b> ILV <b>K</b> HMGSRLYSVSYLLKD
B7FAU9	994	LGDKVDVGKDQ <b>E</b> FTV <b>K</b> SKGAGGQGVASKIV
B7FAU9	2465	GAGALSVTIDGPSKV <b>M</b> DCQECPEGYRVTYT
B7FAU9	1450	GSPFKVPVHDVTDAS <b>K</b> VKCSGPGLSPGMVRA
P99024	58	QLDRISVYYNEATGG <b>K</b> YVPRAILVDLEPGTM
D3Z1N9	112	IAHPKLGKRIRSYMA <b>K</b> GQRLCQPKPKVQTKA
E9Q616	1309	VNIEGPDAKLKGPK <b>F</b> KMPENNIKAPKISMPD
E9Q616	941	GKLKGPKLKMP <b>E</b> MNI <b>K</b> APKISMPDVDLHMKG
E9Q616	2987	IEGDLKGPSLDIKSP <b>K</b> LDVNAPDIDVHGPEG
G3XA10	319	GVSKGKVCFEMKV <b>T</b> E <b>K</b> IPVRHLYTKDIDIHE
O54734	174	VADTENLLKAPTIVG <b>K</b> SSLNPILFRGVGMVA
K3W4R2	433	ALLTPRIKVGRDYVQ <b>K</b> AQTKEQADFALEALA
Q9D1R9	43	NRIVYLYTKKV <b>G</b> KAP <b>K</b> SACGVCPGRLRGVRA
P19324	295	LEKLLTKEQLKAWMG <b>K</b> MQKKAVAIISLPKGVV
P19324	290	EPLERLEKLLTKEQL <b>K</b> AWMGKMQKKAVAIISL
E9PUX4	139	YPTEDVPRKLLSHG <b>K</b> KPFSQHVRRLRSSITP
E9PUX4	102	VEKKKKKEKV <b>L</b> ATV <b>T</b> KTVGGDKNGGTRVVKL
H3BJB6	159	MDDIERAVDDGVNT <b>F</b> <b>K</b> VLTRDKRLVPGGGAT
H3BJB6	85	MLVRLNSKWDLRRL <b>C</b> KTVGATALPKLTPPVQ
Q91VD9	450	PVDLTTRYDHLGDSP <b>K</b> ILQDIASGRHSFCEV
Q5SXR6	741	SQDPDVHFKYIQAA <b>C</b> K <b>T</b> GTGQIKEVERICRESN
Q32MW3	294	RILPPKAVWMEDTK <b>L</b> KSLDICHQPQERNVFN
Q3UJQ9	185	SPIKYNKDGSA <b>I</b> AS <b>K</b> PREVREFNGQHFILE
Q3UJQ9	434	MVKGMGGAMD <b>L</b> VSS <b>S</b> KTKVVVTMEHSAKGNA
Q3UJQ9	451	KVVVTMEHSAKGNA <b>H</b> <b>K</b> IMEKCTLPLTGKQCV
Q3UJQ9	421	KYGDLANWMIPGKM <b>V</b> <b>K</b> GMGGAMD <b>L</b> VSS <b>S</b> KTK
Q3UJQ9	418	QVSKYGDLANWMIPG <b>M</b> VKGMGGAMD <b>L</b> VSS <b>S</b>
Q3UJQ9	176	YGTLVQEGGSPIK <b>Y</b> N <b>K</b> DGSAIASKPREVRE
Q9Z0J0	105	PDGCKSGINCPIQ <b>K</b> D <b>K</b> VYSYLNKLPVKNEYP
F7C312	80	VPTSAPRGLFDEYGS <b>K</b> KSDYIKLYVRRVFIT
F7C312	213	TSLDQYVERMKEKQD <b>K</b> IYFMAGSSRKEAESS
P14211	209	GSLEDDWDFLPP <b>K</b> KI <b>K</b> DPDAAKPEDWDERAK
P61089	94	NVDKLGRICLDIL <b>K</b> D <b>K</b> WSPALQIRTVLLSIQ
P07901	632	AQALRDNSTMGYMA <b>A</b> <b>K</b> KHLEINPDHSI <b>I</b> ETL
F2Z471	20	PTYADLGKSARDV <b>F</b> T <b>K</b> GYGFGLIKLDLKT <b>K</b> S

P83882	38	VTQYKKGKDSLYAQG <b>K</b> RRYDRKQSGYGGQTK
Q99KE1	224	NMALLKDPFYMGLYQ <b>K</b> RDRSQLYDDLMDEFM
Q99KE1	26	PCTLTCCRVLHKEKG <b>K</b> PLMLNPRTNKGMAFT
Q99KE1	74	ETQDIQALRFHRNL <b>K</b> MTSPLEKYIYIMGIO
P19536	85	SGTKEDPNLVPSIS <b>N</b> KRIVGCICEEDNCTVI
D3Z1R1	53	IFLRELISNASDALD <b>K</b> IRYESLTDPSKLD SG
E9QAD6	41	GVTAVAFNKELDPVQ <b>K</b> LFVDKIREYKSKRQA
D3Z7P3	135	FGNSEGKEMVAAGDN <b>K</b> IKQGLLPSLEDLLFY
P26041	72	TWLKLNKKVTAQDVR <b>K</b> ESPLLFKFRAKFYPE
P26041	151	DFNKEVHKSGYLAGD <b>K</b> LLPQRVLEQHKLNKD
G3X9D5	44	KRKRSRKESYSVYVY <b>K</b> VLKQVHPDTGISSKA
P20152	120	VELQELNDRFANYID <b>K</b> VRFLEQQNKILLAE
P20152	104	ADAINTEFKNTRTNE <b>K</b> VELQELNDRFANYID
G5E8N5	347	VVKVTLTPEEEARL <b>K</b> SADTLWGIQKELQFQ
G5E8N5	272	KEVHKQVVD SAYEVI <b>K</b> LKGYTSWAIGLSVAD
P58252	275	LWGDYFDPANGKFS <b>K</b> SANSPDGKKLPRTFC
P58252	318	AIMNFRKEETAKLIE <b>K</b> LDIKLDSKDKKEGK
P58252	42	HVDHGKSTLTDSLVC <b>K</b> AGIIASARAGETRFT
D3YZ68	179	QKRYEEIVKEVSTYI <b>K</b> IGYNPDTVAFVPIS
D3YZ68	44	YKCGGIDKRTIEKFE <b>K</b> EAAEMGKGSFKYAWV
D3YZ68	172	STEPPYSQKRYEEIV <b>K</b> EVSTYIKKIGYNPDT
D3Z6C3	56	IRNIGKTLVTRTQGT <b>K</b> IASDGLKGRVFEVSL
J3QM63	225	AWTAGSNNTFRGIAA <b>K</b> YKLDCRTSLSAKVNN
P22682	285	LTYDEVKARLQKF <b>I</b> H <b>K</b> PGSYIFRLSCTRLGQ
Q3UH59	624	KADFCIIHYAGKVDY <b>K</b> ADEWLMKNMDPLNDN
Q8K2Y7	184	AWRRDIFGRIVWHKF <b>K</b> QWPIPWYLNKRYNRR
P20029	214	IINEPTAAAIAYGLD <b>K</b> REGEKNILVFDLGGG
P20029	448	VMTKLIPRNTVVPT <b>K</b> SQIFSTASDNQPTVT
P20029	447	GVMTKLIPRNTVVPT <b>K</b> SQIFSTASDNQPTV
P20029	269	LGGEDFDQVRMEHF <b>I</b> <b>K</b> LYKKKTGKDVRKDNR
Q01853	60	KMDELQLFRGDTVLL <b>K</b> GKKRREAVCIVLSDD
Q8BH04	491	SAMRSESTAAAEHKG <b>K</b> TIMHDPFAMRPFPGY
Q8BH04	90	ALLEEQGLIRKL <b>P</b> KY <b>K</b> NCWLARTDPKDVARV
E9PZF0	12	SNAMMANSERTFIA <b>I</b> <b>K</b> PDGVQRLVGEI <b>I</b> KR
Q61576	225	IKGMDQGLLGMCPGE <b>K</b> RK <b>I</b> I <b>P</b> PFLAYGEKG
P48678	201	EMLRRVDAENRLQTL <b>K</b> EELDFQKNIYSEELR
P48678	270	QVEQYKKELEKTYS <b>A</b> <b>K</b> LDNARQSAERNSNLV
O88342	104	QKEHLLKYEQPFAG <b>K</b> IKDIAWTEDSKRIAV
P27659	286	QKGYHHRTEINKKIY <b>K</b> IGQGYLIKDGKLIK
Q8CFI7	644	EKQKLLLKKRHIDQL <b>K</b> EREYNNYSWQDLVAS
Q9QXB9	174	LEKELESVGIRLNKH <b>P</b> NIYFKPKKGGG <b>I</b> SF
A2AL12	134	PGAHLTVKKIFVGGI <b>K</b> EDTEEYNLRDYFEKY
E9Q4Y4	1925	RKVLLDPKVLRI <b>F</b> PD <b>K</b> FVLKERTQE <b>H</b> ITLVY
F6ZKZ3	173	PEGFAYPKIGSNYSV <b>K</b> TVEK <b>T</b> WKALQGFKEG

P97314	137	CGDSVYAAEKIIIGAG <b>K</b> PWHKNCFRCAKCGKS
F6YJW4	148	KCRRPAVKQFHDSKI <b>K</b> FPLPHRVLLQHQHQP
Q9CQ65	49	VDTFPGKPSDALIL <b>G</b> KIKNVDCVLLARHGRO
P97379	392	VVFDDSEPVQRILIA <b>K</b> PIMFRGEVRLNVEEK
E9Q876	1735	EGFGLLLKKIMAILI <b>K</b> RFHHTRRNWKGLIAQ
B1ARA3	36	APSHIRRKIMSSPLS <b>K</b> ELRQKYNVRSMPIRK
P67984	80	RSKSKITVTSEVPFS <b>K</b> RYLKYLTKKYLKKN
B1AXN3	416	IDDVNYAQEKFDIIV <b>K</b> DLMSKMEYTEINSDS
P29341	361	ATKAVTEMNGRIVAT <b>K</b> PLYVALAQRKEERQA
Q9ERG0	437	LSLGTYASLHGRIYC <b>K</b> PHFNQLFKSKGNYDE
E9PYH2	373	EKKRFEEGKGRYLQM <b>K</b> AKRQGHTEPQPQPET
Q80X50	249	TRLDFIGVEGSNYPR <b>K</b> FETAPGAWRTATEEW
Q5SX75	482	GATVFPDLGAAIWP <b>K</b> GTAVFWYNLLRSSEG
Q9R0E1	708	GCRFLRYDCRISSPR <b>K</b> GWALLHPGRLTHYHE
Q9WUP7	289	EVQKLKRYKIENIRR <b>K</b> HNYLPFIMELLKTLA
Q9D8E6	353	NTILRQARNHKLRLV <b>K</b> LEAAATALATKSEKV
P30681	157	QPYEQKAAKLKEYE <b>K</b> DIAAYRAKKGSEAGK
Q9QZD8	158	ALDGLYRVAREESLR <b>K</b> LFSGATMASSRGALV
H3BL56	7	VLKKRIAAMMAAIR <b>K</b> LVIIVGDGACGKTCLL
P48036	288	SRSEIDLFNIRKEFR <b>K</b> NFATSLYSMIKGDTS
P32921	158	SHRDMNQILDAYEN <b>K</b> PFYLYTGRGPSSEAM
Q8K0D5	541	RETIVAPVPFDFTH <b>K</b> QSGGAGQFGKVIQVL
Q05816	82	CNLGEKFDETTADGR <b>K</b> TETVCTFQDQALVQH
D3YWW3	121	PIIVFRGEHGFICR <b>K</b> VGTGLDANRSSYDVF
Q61753	8	KRLNAFAMMAFANLR <b>K</b> VLISDSLDPCCRKIL
P62274	33	SRSCRVCNHRGLIR <b>K</b> YGLNMCRQCFRQYAK
E9Q1V0	115	TDAIKLNPRLAILYA <b>K</b> RASVFVKLQKPNA
Q9ERQ3	343	LLFDEPIPRKRKNSM <b>K</b> VMFKCLWKSCGKVLN
Q9Z110	347	HPKVSQGHVITDIVEG <b>K</b> KVGTFSEVKPAGPT
B1ATZ0	549	LQEQEKERQMRLEQQ <b>K</b> QTVQMRQMPAFPLP
Q62446	200	GEKARLEIEPEWAYG <b>K</b> KGQPDAKIPPNTKLI
P63158	146	EMWNNTAADDKQPYE <b>K</b> KAAKLKEYEKDIAA
Q3UQ44	910	KPSYLAKLIFQMPQN <b>K</b> STKFMDTVIFTLYNY
Q02053	528	LNQQLFRPVDVTKL <b>K</b> SDTAAAVRQMNPHYI
D3YXP6	69	EHGLDFQRLLDASTY <b>K</b> ETYRRDMICWGEQKR
D3YW66	219	GSTLQTKLLIGADGH <b>K</b> SGVRQAAGIQNVSWK
D3Z494	145	GVSNNHNFQIERLLN <b>K</b> PGLKHKPVTNQVECH
A2AAW9	312	RPGIVSKDSEGKLMC <b>K</b> PIFSKIVSLFAEHND
A1EGX6	84	SRKEYESLRLSSQLQ <b>K</b> TLMKRKHVQDMTDKS
A1EGX6	88	YESLRLSSQLQKTL <b>K</b> MRKHVQDMTDKSLQTE
D3YWC0	19	RLTYCQRLSYNTASN <b>K</b> TRLSRTPDNRIVYLY
Q9D5A0	350	MLYNSRSKLSDYFNI <b>K</b> RVPSELREKASVNA
Q61102	350	DSLLNYETVKYFNNE <b>K</b> YEAQRYDGFLKTYET
P41105	33	IKRKNQTYSTEPNNL <b>K</b> ARNSFRYNGLIHRKT



Q922Q8	73	FCGLTHLVKLDLSKN <b>K</b> LQQLPADFGRLVNLQ
Q922Q8	149	EKQCKQCANKVLQHM <b>K</b> AVQADQERERQRRLE
F6QPR1	108	AKMLGEALSKNPGYI <b>K</b> LRKIRAAQNISKITIA
A2A654	1228	ESGVKGAGKPPMGAL <b>K</b> SSSESPGSTKASEGH
Q6ZWU9	5	SPHLLDKALPMMPLA <b>K</b> DLLHPSPEEEKRKHK
D3Z6B9	64	GLDTGPILLQRSCDV <b>K</b> PNDTVDSLNRFLFP
Q9CY58	68	SAAQAAAQTNNAAG <b>K</b> QLRKESQKDRKNPLP
F6SVV1	72	AI IIFVPVPQLKSFQ <b>K</b> IQVRLVRELEKKFSG
Q91XV3	170	GPEAKSDAAPASDS <b>K</b> PSSAEPAPSSKETPA
G5E8U2	419	CPFRCAKDNLKSHM <b>K</b> VHQHQDRGETFQCQL
Q8R2P8	276	LILNDFVRQKFIVRS <b>K</b> IITYIRSFLDELGFL
P11983	400	CDEMERSLHDALCVV <b>K</b> RVLELKSVVPGGGAV
J3QK72	298	GRSSGPYGGGGQYFA <b>K</b> PRNQGGYGGSSSSSS
A2AU61	163	VKLFARSTAVTTGSA <b>K</b> IKLKSSSELQTIKTEL
A2AMW0	223	MENKIRSTLNEIYFG <b>K</b> TKDIVNGLRSVQTFA
Q9D8N0	294	PFAHLPKSTFVLDEF <b>K</b> RKYSNEDTLSVALPY
O08997	60	EHSSDTLLATLNKTG <b>K</b> AVSYLGPKPGLYSVA
O35691	237	NEHNAKIIKYIRTKT <b>K</b> PHLFYIPGRMCPATQ
G3UZJ6	55	FLARRTNSTFNQVVL <b>K</b> RLFMSRTNRPPLSLS
D6RGB5	67	KTRVLGQVSCELVSP <b>K</b> LNRATEGILFFNLEL
O08553	520	EVSVTPKTVTPASSA <b>K</b> TSPAKQQAPPVRNLH
D3Z794	33	INLKVAGQDGSVVQF <b>K</b> IKRHTPLSKLMKAYC
D3YZY0	114	PEEHPTLLTEAPLNP <b>K</b> ANREKMTQIMFETFN
P09041	30	KGKRVIMRVDFNVPM <b>K</b> NNQITNNQRIKAAIP
A2A9Q2	535	TITWALPPQQQHYRV <b>K</b> PLHYISWLVGHEGKG
Q14C51	328	NDILDLLKHMVAQKV <b>K</b> PNLQTFNTILKGLRK
P57780	626	PYTTVTPQIINSKWE <b>K</b> VQQLVPKRDHALLEE
P11440	245	EVESLQDYKNTFPKW <b>K</b> PGSLASHVKNLDENG
Q3UIU2	93	PMWVHYVVKYHMA <b>K</b> PYTIVSSKPRIFFGD
B0V2N5	166	TERSVCHLQKVFER <b>K</b> SYSPYDMLSEIKKEV
P47962	220	ADYMRYLMEEDEDAY <b>K</b> KQFSQYIKNNVTPDM
F8WIR1	127	ILDIACWVHHKYNSD <b>K</b> SSTYVKNGTSFDIHY
P60766	163	DLKAVKYVECSALTQ <b>K</b> GLKNVFDEAILAALE