

## Supplementary Information

**Supplementary Information S3.** The positive dataset  $\mathbb{S}_{\text{Hyp}}^+$  and negative dataset  $\mathbb{S}_{\text{Hyp}}^-$  contain 306 hydroxyproline peptide fragments and 1035 non-hydroxyproline peptide fragments, respectively. None of the sequences included has  $\geq 40\%$  pairwise sequence identity with any other in a same subset. See the text of the paper for further explanation.

Positive dataset

Uniprot ID	Position	Fragments
Q3Y5Z3	39	GWMAGI <b>P</b> GH <sub>HP</sub> GHN
Q3Y5Z3	42	AGI <b>P</b> GH <sub>HP</sub> GHNGTP
Q3Y5Z3	48	PGHNGT <b>P</b> GRDGRD
Q3Y5Z3	86	ITGIEG <b>P</b> RGFPGT
Q15848	71	KGEKGD <b>P</b> GLIGPK
Q15848	76	DPGLIG <b>P</b> KGDIGE
Q15848	95	EGPRGF <b>P</b> G IQGRK
P07550	382	LLCEDL <b>P</b> GTEDFV
P07550	395	GHQGT <b>V</b> PSDNIDS
Q9UKV8	700	LEKDY <b>Q</b> PGITFIV
Q0VTT8	52	KRFEP <b>V</b> PGFTPF
P84900	54	ESPDR <b>P</b> PGFSPFR
Q4ZJN1	58	KGDAGE <b>P</b> GH <sub>HP</sub> GGP
Q4ZJN1	76	RGEKGE <b>P</b> GADGRV
Q4ZJN1	115	TGEQGL <b>P</b> GETGPQ
Q4ZJN1	151	LGPKGL <b>P</b> GPMGPI
Q4ZJN1	160	MGPIG <b>K</b> PGPRGEA
P58843	5	XXDQSC <b>P</b> WCGFTC
P58923	10	GRDSRC <b>P</b> PVCCMG
P58923	11	RDSRC <b>P</b> PVCCMGL
P50982	46	LTARRD <b>P</b> CCYHPT
P69747	55	RGCCSD <b>P</b> RCNYDH
P85886	55	RTCCSR <b>P</b> TCRMEY
P85012	7	DYCCRR <b>P</b> PCTLIC
P85012	8	YCCRR <b>P</b> PCTLICX
P0C1X1	40	VVHERA <b>P</b> ELV <sub>HP</sub> TA
P0C1X1	55	NCCGY <b>N</b> PMTICPP
P0C1X1	60	NPMTIC <b>P</b> PCMCTY
P0C1X1	61	PMTIC <b>P</b> PCMCTYS
P0C1X1	69	MCTYSC <b>P</b> PKRKPG
P0C1X1	70	CTYSC <b>P</b> PKRKPGR
P0C1X1	74	CPPKR <b>K</b> PGRRNDX
P69746	5	XXCCGV <b>P</b> NAACHP
P69746	11	PNAACH <b>P</b> CVCKNT
P55963	20	CSCKDR <b>P</b> SYCGQX
P30754	21	IGPRGP <b>P</b> GPPGSP
P30754	27	PGPPGS <b>P</b> GQQGYQ
P30754	39	QGLRGE <b>P</b> GD SGPM
P30754	72	DGRDGE <b>P</b> GPRGGI
P30754	90	RGAGGM <b>P</b> GM PGPK
P30754	93	GGMPGM <b>P</b> GPKGHR
P30754	128	GPGPAG <b>P</b> SGPIGP
P30754	150	DGKSGL <b>P</b> GLRGVD
P30754	177	TGSPGF <b>P</b> GTPGSK
P30754	207	VGLSG <b>Q</b> PGVAGEN
P30754	216	AGENG <b>H</b> PGMPGMD
P30754	219	NGHPGM <b>P</b> GMDGAN
P30754	228	DGANGE <b>P</b> GASGES

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P30754	237	SGESGLPGPSGFP
P30754	276	QGRPGAPGVKGSS
P30754	285	KGSSGP PGDVGAP
P30754	291	PGDVGAPGHAGEA
P30754	303	AGKRGS PGSPGPA
P30754	321	QGDRGLPGSRGLP
P30754	327	PGSRGLPGMTGAS
P30754	339	SGAMGI PGEKGPS
P30754	348	KGPSGE PGA KGPT
P30754	372	PGIAGLPGNPGSD
P30754	429	PGKNGAPGEPGAH
P30754	483	AGAQT PGEAGKT
P30754	513	GGERGAPGDRGNV
P30754	525	VGPRGMPGERGAT
P30754	540	AGPTGS PGVAGAK
P30754	552	KGQGGP PG PAGLV
P30754	645	QGIQGQPGPPGDA
P30754	663	KGDIGF PGERGTR
P30754	744	KGARGS PGLVGKQ
P30754	774	RGEDGP PGVSGPT
P30754	843	SGQAGAPGQEGAP
P30754	861	PGLAGR PGERGEP
P30754	53	PIGKRGP PG PAGI
P30754	416	LQGRAG PPGARGE
P30754	503	ATGPSG PAGPGGE
P30754	506	PSGPAG PGGERGA
P30754	533	ERGATG PAGPTGS
P30754	647	IQQQPG PG DAGP
P30754	773	ERGEDG PGVSGP
P30754	815	MKGDGG PPGPSGD
P30754	990	PGKDGQ PPGSGRV
P30754	1010	DDGRSG PPGPPGP
P30754	1019	PPGPPG PPGNSDY
Q24940	109	ANNRAV PDKIDWR
Q24940	196	ETESSY PYTAVEG
P58804	21	FKTCCG PGDWQC
P58804	22	KTCCGP PGDWQCV
P0C8S5	10	IYDAKP PFSCAGL
P0C8S5	24	GGCVL PPNLRPKF
P0C8S5	28	LPPNLR PKFKEXX
P84698	7	DCPTRC PTTCANG
P84698	21	ECCKGY PCVNKAC
C3VVN6	55	ECQVDT PGSSWGK
P0C1W5	70	LNRVCG PMCCPAS
P0C1W5	74	CGPMCC PASHCYC
P0C1W6	59	INTRDS PWGRCCR
P08252	67	SQCPGG PTPPTPT
P08252	69	CPGGPT PTPPTPT
P08252	71	GGPTPT PTPPPGG
P08252	72	GPTPTPT PTPPGGG
P08252	74	TPTPTPT PPGGDL
P08252	75	PTPTPT PPGGDLG
Q2I2Q5	58	RDECCE PQWCDGA
P01523	56	RRDCCT PPKCKKD
P01523	57	RDCCTP PPKCKDR
P01523	67	KDRQCK PQRCCAG
P58925	57	RLCCGF PKSCRSR
P0C349	8	HGCCKG PKGCSSR
P0C349	18	SSRECR PQHCCXX

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P56529	52	LLERRHPPCCMYG
P56529	53	LERRHPCCMYGR
P56529	64	GRCRRYPGCSSAS
P0C1N5	55	AVRDCCPLPACPF
P85016	5	XXGCCPPQWCGPD
P85016	10	PPQWCGPDCTSF
P85017	11	RPICTCPCCIGPX
P85020	5	XXGCCSPWNCIQL
P85020	15	IQLRACPCPNXX
P0C8V5	57	RDECFSPGTFCGI
P0C8V5	65	TFCGIKPGLCSSA
D5KR58	49	CWLCLGPNACCRG
P0C8V9	55	AGNYCGPTVMKIC
P0C8V9	67	CCGFCSFFSKICM
P01522	49	STRCKSPGSSCSP
P01522	55	PGSSCSPSYNCC
P01522	66	CCRSCNPYTKRCY
P86289	90	PGATGFPGAAGRG
P02457	215	RGPAGPPGKNGDD
P02457	323	PGAAGPPGPTGPA
P02457	377	AGPAGNPGADGQP
P02457	440	TGAKGEPGPAGVQ
P02457	572	AGVMGFPGPKGAA
P02457	653	PGEQGVPGNAGAP
P02457	713	PGNEGPPGLEGMP
P02457	746	KGADGAPGKDGLR
P02457	935	DGPIGAPGTPGPQ
P02457	953	RGVVGLPGQRGER
P86290	6	XGSNGEPGSAGPP
P02467	442	AGRPGEPLMGPR
P56711	76	CELYAFPSFGAXX
P05539	839	AAGRVGPPGSNGN
P05483	7	CKSPGTPCSRGMR
P0CH13	14	NCDVFRPYRCCSG
P12108	158	PGKPGPPGHIQGV
P12108	178	CPTNCPGPKGPQ
A6YR20	65	WCDQEA PHGNCCD
A6YR20	82	TAAWWCPGTKWDX
Q05707	1577	IGIPGTPGVPGIT
Q05707	1580	PGTPGVPGITGSM
Q05707	1643	AILNQIPSHSSSI
Q05707	1656	RTVQGPGEPRP
Q05707	1704	KGEKGNPGVGTQG
Q05707	1726	PSGESRPGSPGPP
Q05707	1756	QGPPSGQPGYCDPS
P58922	61	LTTCLAPSECCSE
B2KPN7	64	YHAHPKPNSFWTL
Q6PSU2	67	GRDPYSPSQDPYS
Q6PSU2	86	RRDPYSPSPYDRR
P58786	57	LRRSGCPWEPWCG
P81727	13	AYGESCPSSCNTC
P81755	63	WCCTAAPLTGRXX
P69765	49	RCCPGKPCCRIGX
B2CS62	8	RVENKCPHTVCCD
D2Y171	50	DAADVKPVARTNE
D2Y171	58	ARTNEGPGRDPAP
D2Y171	62	EGPGRDPAPCCQH
D2Y171	64	PGRDPA PCCQHPI
D2Y168	57	SSNKCSPGFPGXX

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P80762	6	XNMYLPVPPPPV
P80762	8	MYLPPVPPPVVP
P80762	9	YLPPVPPPVVPT
P80762	10	LPPVPPPPVVPTF
P80762	11	PPVPPPVPVPTFX
Q7M1I4	8	HYSYSSPPPPPVV
Q7M1I4	9	YSYSSPPPPPVVS
Q7M1I4	10	SYSSPPPPPVSS
Q7M1I4	11	YSSPPPVPVSSP
Q7M1I4	17	PPVVSSPPPPYYY
Q7M1I4	19	VVSSPPPPYYYYS
Q7M1I4	26	PYYYYSPPPVXX
P80774	10	PPDFANFFIIPQN
P82439	6	XNYQYSPPPPKK
P82439	7	NYQYSPPPPKKK
P82439	8	YQYSPPPPKKKY
P82439	9	QYSPPPPKKKYY
P82439	10	YSPPPPPKKKYYX
P86500	24	ECLENYPGQASQR
P86500	43	DATTNCPDTYYFG
B4YSU8	51	GDSCNEPAGELCC
P00057	79	YDYLLNPKKYIPG
P15502	116	AGLGGVPGVGGLG
P15502	190	GAFAGIPGVGPFG
P15502	283	VGGAGVPGVPGAI
P15502	286	AGVPGVPGAIPGI
P15502	327	GLVPGGPGFGPGV
P15502	347	VPGVGPAGAPIV
P15502	607	GVGAGVPGFGAGA
P15502	677	LGGVGI PGGVVGA
A1X158	65	WKATPKPWTAWKA
A1X158	72	WTAWKAPPPAWTA
A1X158	73	TAWKAPPPAWTAW
Q16665	402	ALTLLAPAAGDTI
Q16665	564	DLEMLAPYIPMDD
Q7XAD0	51	GNYGRTPYKTPPP
Q7XAD0	55	RTPYKTPPPPTSS
Q7XAD0	56	TPYKTPPPPTSSS
Q7XAD0	57	PYKTTPPPPTSSSP
Q7XAD0	58	YKTTPPPPTSSSPT
Q7XAD0	63	PPTSSSPTHQEIV
Q7XAD0	79	HDSVLP PPSPKTD
Q7XAD0	80	DSVLPP PPSPKTDP
Q7XAD0	82	VLPPPSPKTDPII
Q7XAD0	119	HDYVASPPPPKPQ
Q7XAD0	120	DYVASPPPPKPQD
Q7XAD0	121	YVASPPPPKPQDE
Q7XAD0	122	VASPPPPKPQDEQ
Q93WP8	42	RGANLPPSPASS
Q93WP8	43	GANLPPSPASSP
Q93WP8	45	NLPPPSPASSPPS
Q93WP8	49	PSPASSPPSKEVS
Q93WP8	50	SPASSPPSKEVSN
Q93WP8	150	NRKPLSPSPKPA
Q93WP8	151	RKPLSPSPKPAD
P14618	403	ELRR LAPITSDPT
P14618	408	APITSDPTEATAV
Q9BPB1	58	WQYCESPTDCCSW
Q9BPB2	49	QQKRLCPDYTDPC

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Q9BPB2	54	CPDYTDPCSHAHE
P02820	60	DHWLGAPAPYPDP
P80760	11	PPVEKPPVYKPPV
P0C7W7	6	XXIIIGAPCRRCYH
P52285	143	IKNDFTEEEEEQI
Q0VKG8	56	ERRDRPSPWIPKX
Q9M0S4	24	SAIAQAPGPAPTR
Q9M0S4	26	IAQAPGPAPTRSP
Q9M0S4	28	QAPGPAPTRSPLP
Q9M0S4	32	PAPTRSPLPSPAQ
Q9M0S4	36	RSPLPSPAQPPRT
Q9LJD9	32	AAQTEAPAPSPTS
Q9LJD9	34	QTEAPAPSPTSDA
Q9LJD9	36	EAPAPSPTSDAAM
Q9SJY7	34	PTTVTPPTALPP
Q9SJY7	35	TTVTTPPTALPPV
Q9ZT16	32	PTPTATPPPATPP
Q9ZT16	33	TPTATPPPATPPP
Q9ZT16	37	TPPPATPPPVATP
Q8LG54	26	LAQAPAPSPTTTV
Q8LG54	28	QAPAPSPTTTVTP
Q9C5S0	26	GQAPTSPTATPA
Q9C5S0	27	QAPTSPTATPAP
Q9C5S0	33	PTATPAPPTPTTP
P83184	5	XXYAEVPSPAQA
P83184	7	YAEVPSPAAQAPT
P02745	57	QGEPGAIGIRTGI
P02747	36	TGCYGI PGMPGLP
P02747	63	KGEPGI PAIPGIR
P58782	21	GCKVGRPPYCDRP
P58782	22	CKVGRPPYCDRPS
P0C8W0	53	EKRGCDPTDGCQT
P0C8W0	68	CETDTGPCCCKPN
P0C8W0	93	CSCSGQPSDCPVX
Q7Z094	11	CKADEKPCEYHAD
Q7Z094	29	LSGICAPSTNWIL
Q7Z096	38	RVKNRGPSFCKAD
Q9U3Z3	53	WGGCGHPCRHPGK
P58842	11	HCWVCI PCCPNXX
P60245	14	GSCRPFPGCYNAL
P0CG45	7	LPPCCTPPKKHCP
P0CG45	8	PPCCTPPKKHCPA
P0CG45	13	PPKKHCPAPACKY
P0CG45	15	KKHCPAPACKYKP
P0CG45	21	PACKYKPCCKSXX
P28880	55	CRSSGSPCGVTSI
P56633	49	STRCRI PNQKCFQ
P0C2W8	292	AKGEPGPIGIQGP
P85154	410	AGARGE PGNIGFP
P85154	704	RGDGGP PGATGFP
P85154	731	TGPPGP PGAAGKE
P12111	2206	FGRRGP PGAAGNK
P60513	6	XDDCIKPYGFCSL
P58914	7	CKPPGS PCRVSSY
P0CH18	6	XFGSFI PCAHKGE
P0CH18	13	CAHKGE PCTICCR
P0CH18	20	CTICCRPLRCHEE
P0CH20	5	XXYGNFPTCSETG
P58916	7	CKGKGA PCTRLMY

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P23805	147	KGGVGA <b>P</b> GIQGFP
P29602	115	NATVSM <b>P</b> PPSSSP
P29602	116	ATVSM <b>P</b> PPSSSP
P29602	117	TVSM <b>P</b> PPSSSP
P29602	121	PPSS <b>P</b> PPSSVMP
P29602	122	PPSS <b>P</b> PPSSVMP
P29602	128	PSSV <b>P</b> PPVMPPP
P29602	129	SSVM <b>P</b> PPVMPPP
P29602	132	MPP <b>P</b> VMPPSPSX
P29602	133	PP <b>P</b> VMPPSPSXX
Q25460	89	PTYK <b>P</b> KPSYPPTY
Q25460	92	KPK <b>P</b> SYPTYKSK
Q25460	93	PK <b>P</b> SYPTYKSKP
Q25460	867	AKTS <b>P</b> YPAYKPTN
P85065	14	TPGCT <b>P</b> GGGSNC
Q941C7	63	KHDPGV <b>P</b> PSATGQ
Q941C7	64	HDPGV <b>P</b> PSATGQR
P00877	104	IAYVAY <b>P</b> IDLFEE
P00877	151	VKT <b>F</b> VG <b>P</b> PHGIQV
P08427	30	DVCAG <b>S</b> PGIPGAP
P08427	63	PGPM <b>G</b> PPGMPGL
P08427	67	GPP <b>G</b> MPGLPGRD

## Negative dataset

Uniprot ID	Position	Fragments
Q3Y5Z3	14	LLLLAL <b>P</b> SHGEDN
Q3Y5Z3	24	EDNMED <b>P</b> PLPKGA
Q3Y5Z3	25	DNMED <b>P</b> PLPKGAC
Q3Y5Z3	27	MED <b>P</b> PLPKGACAG
Q3Y5Z3	57	DGRDGT <b>P</b> GEGKEK
Q3Y5Z3	66	KGEKGD <b>P</b> GLVGPK
Q3Y5Z3	71	DPGLVG <b>P</b> KGDTGE
Q3Y5Z3	90	EGPRGF <b>P</b> GTPGRK
Q3Y5Z3	99	PGRKGE <b>P</b> GESAYV
Q3Y5Z3	121	ERQVT <b>V</b> PNVPIRF
Q3Y5Z3	124	VTVP <b>N</b> PIRFTKI
Q3Y5Z3	150	KFLC <b>N</b> IGLYYFS
Q15848	25	ETTTQ <b>G</b> PGVLLPL
Q60994	29	TTEEL <b>A</b> PALVPPP
Q60994	33	LAPAL <b>V</b> PPPKGTC
Q60994	34	APAL <b>V</b> PPKGTC
Q60994	47	GWMAG <b>I</b> PGHPGHN
Q60994	50	AGIP <b>G</b> HNGTP
Q60994	56	PGHNGT <b>P</b> GRDGRD
P07550	4	XXXMG <b>Q</b> PGNGSAF
P07550	14	SAFLL <b>A</b> PNGSHAP
P07550	20	PNGSH <b>A</b> PDHDVTQ
P07550	88	MGLAV <b>V</b> PFGAAHI
P07550	138	YFAIT <b>S</b> PFKYQSL
P07550	168	GLTS <b>F</b> LPIQMHY
P07550	211	IVSFY <b>V</b> PLVIMVF
P07550	288	FTLCW <b>L</b> PPFFIVNI
P07550	323	VNSGF <b>N</b> PLIYCRS
P07550	330	LIYCR <b>S</b> PDFRIAF
Q9UKV8	7	MYSGAG <b>A</b> PALAPPA
Q9UKV8	11	AGPAL <b>A</b> PAPPPP
Q9UKV8	12	GPAL <b>A</b> PAPPPPI
Q9UKV8	14	ALAPP <b>A</b> PPPIQG

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Q9UKV8	15	LAPPAPPPPIQGY
Q9UKV8	16	APPAPPPIQGYA
Q9UKV8	17	PPAPPPPIQGYAF
Q9UKV8	25	QGYAFKPPRPDF
Q9UKV8	26	GYAFKPPRPDFG
Q9UKV8	27	YAFKPPRPDFGT
Q9UKV8	29	FKPPRPDPFGTSG
Q9UKV8	50	FFEMDI PKIDIYH
Q9UKV8	63	YELDIKPEKCPRR
Q9UKV8	67	IKPEKCPRRVNRE
Q9UKV8	92	IFGDRKPVFDGRK
Q9UKV8	105	NLYTAMPLPIGRD
Q9UKV8	107	YTAMPLPIGRDKV
Q9UKV8	120	ELEVTLPGEGKDR
Q9UKV8	152	ALSGRLPSVPFET
Q9UKV8	155	GRLPSVPFETIQA
Q9UKV8	170	VVMRHLPSMRYTP
Q9UKV8	176	PSMRYTPVGRSFF
Q9UKV8	191	SEGCSNPLGGGRE
Q9UKV8	208	FHQSVRPSLWKMM
Q9UKV8	229	AFYKAQPVIEFVC
Q9UKV8	249	IEEQKPLTDSQR
Q9UKV8	288	CNVTRRPASHQTF
Q9UKV8	295	ASHQTFPLQQESG
Q9UKV8	323	KLVLRYPHLPCLQ
Q9UKV8	326	LRYPHLPCLQVGQ
Q9UKV8	340	QKHTYLPLEVCNI
Q9UKV8	373	ATARSAPDRQEEI
Q9UKV8	392	ASFNTDPYVREFG
Q9UKV8	415	TGRVLQPPSILYG
Q9UKV8	416	GRVLQPPSILYGG
Q9UKV8	430	NKAIATPVQGVWD
Q9UKV8	458	AIACFAPQRQCTE
Q9UKV8	484	SRDAGMPIQGQPC
Q9UKV8	489	MPIQGQPCFCKYA
Q9UKV8	503	GADSVPMFRHLK
Q9UKV8	523	LVVVILPGKTPVY
Q9UKV8	527	ILPGKTPVYAEVK
Q9UKV8	557	NVQRTTPQTLNL
Q9UKV8	580	VNNILLQGRPPV
Q9UKV8	584	LLPQGRPPVFQQP
Q9UKV8	585	LPQGRPPVFQQPV
Q9UKV8	590	PPVFQQPVIFLGA
Q9UKV8	601	GADVTHPPAGDGK
Q9UKV8	602	ADVTHPPAGDGKK
Q9UKV8	609	AGDGKKPSIAAVV
Q9UKV8	622	GSMDAHPNRYCAT
Q9UKV8	661	KSTRFKPTRIIFY
Q9UKV8	731	GKSGNIPAGTTVD
Q9UKV8	743	DTKITHPTEFDFY
Q9UKV8	762	IQGTSRPSHYHVL
Q9UKV8	800	TRSVSIPAPAYYA
Q9UKV8	802	SVSIPAPAYY AHL
P84895	2	XXXXXRPPGFSPF
Q0VTT8	50	EKKRFEPVPPGFT
Q0VTT8	53	RFEPVP PGFTPFR
Q0VTT8	57	VPPGFTPFRQTX
P84900	50	EKKRES PDRPPGF
Q4ZJN1	108	PKGSIGPTGEQGL

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Q4ZJN1	120	LPGETG <b>P</b> QGQKGD
Q4ZJN1	135	EVGPTG <b>P</b> EGLMGS
Q4ZJN1	197	GKVGEA <b>P</b> LVPKSA
Q4ZJN1	200	GEA <b>P</b> LVPKSAFTV
Q4ZJN1	215	TVISK <b>F</b> PPDAP <b>I</b>
Q4ZJN1	216	VISK <b>F</b> PPDAP <b>I</b> K
Q4ZJN1	217	ISK <b>F</b> PPDAP <b>I</b> K <b>F</b>
Q4ZJN1	220	F <b>P</b> PPDAP <b>I</b> KFDK <b>I</b>
P58843	14	G <b>F</b> TCCL <b>P</b> NYCQGL
P50982	51	DPCCY <b>H</b> PTCNMS <b>N</b>
P50982	58	TCNMS <b>N</b> PQICG <b>X</b> X
P85886	62	TCRMEY <b>P</b> ELCGGR
P0C351	9	PGCCW <b>N</b> PACV <b>K</b> NR
P0C1X1	23	TTVV <b>S</b> I <b>P</b> SDRAS <b>D</b>
P0C1W8	10	VPNAAC <b>P</b> PCVC <b>N</b> K
P30754	5	XXYRAG <b>P</b> RY <b>I</b> QA <b>Q</b>
P30754	14	IQAQV <b>G</b> <b>P</b> IGPR <b>G</b> P
P30754	23	PRGPP <b>G</b> <b>P</b> PGSP <b>G</b> Q
P30754	44	EPGDS <b>G</b> <b>P</b> MGPI <b>G</b> K
P30754	74	RDGE <b>P</b> <b>G</b> PRGG <b>I</b> GP
P30754	83	GIG <b>P</b> MG <b>P</b> RGAG <b>G</b> M
P30754	200	AQGLQ <b>G</b> <b>P</b> VGL <b>S</b> G <b>Q</b>
P30754	452	ETGAAG <b>P</b> PGAAG <b>P</b>
P30754	581	SRGDIG <b>P</b> RGKAGE
P30754	998	PSGRV <b>G</b> <b>P</b> RGPS <b>G</b> D
Q24940	100	ILSHGV <b>P</b> YEAN <b>N</b> R
Q24940	166	LVDCS <b>G</b> <b>P</b> WG <b>N</b> NGC
Q24940	238	LVGARR <b>P</b> AAVA <b>D</b>
Q24940	264	QSQTCS <b>P</b> L <b>R</b> V <b>N</b> HA
Q24940	320	ASLAS <b>L</b> <b>P</b> MVAR <b>F</b> P
P0C8S5	9	GIYDAK <b>P</b> PFSCAG
P0C8S5	23	RGGCV <b>L</b> <b>P</b> PNLR <b>P</b> K
C3VVN6	2	XXXXX <b>M</b> <b>P</b> KLAV <b>V</b> L
C3VVN6	15	LVLLIL <b>P</b> LSY <b>F</b> DA
P0C1W6	75	CGSMCC <b>P</b> RNGCTC
P15472	24	RCGRGN <b>P</b> QKC <b>I</b> GA
P08252	36	AGGAR <b>C</b> <b>P</b> SG <b>L</b> CCS
P08252	56	TNDYCG <b>P</b> GNCQ <b>S</b> Q
P08252	64	NCQS <b>Q</b> <b>C</b> <b>P</b> GGPT <b>P</b> T
P08252	120	NAARS <b>F</b> <b>P</b> GF <b>G</b> T <b>S</b> G
P08252	154	GGWATA <b>P</b> DGPY <b>A</b> W
P08252	157	ATAPDG <b>P</b> YAW <b>G</b> YC
P08252	171	LREQGS <b>P</b> GDY <b>C</b> TP
P08252	177	PGDYCT <b>P</b> SGQW <b>P</b> C
P08252	182	TPSGQW <b>P</b> CAP <b>G</b> RK
P08252	185	GQW <b>P</b> CAP <b>G</b> RKY <b>F</b> G
P08252	194	KYFGR <b>G</b> <b>P</b> IQ <b>I</b> SH <b>N</b>
P08252	205	HNYNY <b>G</b> <b>P</b> CGRA <b>I</b> G
P08252	218	VDLLNN <b>P</b> DLVAT <b>D</b>
P08252	225	DLVATD <b>P</b> VIS <b>F</b> KS
P08252	239	LWFWMT <b>P</b> QSP <b>K</b> PS
P08252	242	WMTP <b>Q</b> <b>S</b> <b>P</b> KPS <b>C</b> HD
P08252	244	TPQSP <b>K</b> <b>P</b> S <b>C</b> HD <b>V</b> I
P08252	256	IIGRW <b>Q</b> <b>P</b> SAG <b>D</b> RA
P08252	267	RAANRL <b>P</b> GF <b>G</b> V <b>I</b> T
P08252	308	SILGV <b>S</b> <b>P</b> GD <b>N</b> L <b>D</b> C
P24091	70	PGGPT <b>P</b> <b>P</b> GGGD <b>L</b> G
Q9BPJ7	16	ICLL <b>L</b> <b>F</b> <b>P</b> LTA <b>V</b> PM
Q9BPJ7	21	FPLTA <b>V</b> <b>P</b> MDGD <b>Q</b> P

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Q9BPJ7	27	PMDGDQPADRPAE
Q9BPJ7	31	DQPADRPAERMQD
Q9BPJ7	45	ISFEQHMFDAATR
Q2I2Q5	16	TFLVLFLTLLEL
Q2I2Q5	27	ELDTDRPVERHAA
Q2I2Q5	40	IKQDLKPQERRGI
Q2I2Q5	51	GIRLHAPRDECCE
P58925	45	ISSEEHPEKRRQR
P0C424	4	XXXCCAPSACRLG
P58846	45	ISFENNPFYDPAK
P58846	49	NNPFYDPAKRCCR
P0C1N5	57	RDCCPLPACPFGC
P0C1N5	60	CPLPACPFGCNPC
P85017	6	XKCCMRPICTCPC
P0C8V5	34	GLKDLFPKARHEM
P0C8V5	43	RHEMKNPEASKLN
P0C8V6	56	KRDECYPGTFCEG
P0C8V6	75	CSERCFPFVCLSL
D5KR58	28	ADDMEYPKWLRLG
P86289	72	AGPSGPPGPTGAR
P02457	48	DKDVWKPEPCQIC
P02457	50	DVWKPEPCQICVC
P02457	75	EDTSDCPNAEIPF
P02457	80	CPNAEI PFGECCP
P02457	86	PFGECCPICPDVD
P02457	89	ECCPICPDVDASP
P02457	95	PDVDASPVYPESA
P02457	98	DASPVYPESAGVE
P02457	151	LGGNFAPQMSYGY
P02457	167	SAGVAVPGPMGPA
P02457	227	DGEAGKPGRPGQR
P02457	271	AKGQPGPAGPKGE
P02457	938	IGAPGTPGPQGIA
P02457	1191	FDLSFLQPPQEK
P02457	1193	LSFLPQPPQEKAH
P02457	1194	SFLPQPPQEKAMD
P02457	1237	IENIRSPEGTRKN
P02457	1244	EGTRKNPARTCRD
P02457	1267	GEYWIDPNQGCNL
P02457	1291	GETCVYPTQATIA
P02457	1307	WYLSKNPKEKKHV
P02457	1334	GGECSNPADVAIQ
P02457	1427	TKTSRLPIIDLAP
P02457	1433	PIIDLAPMDVGAP
P02457	1439	PMDVGAPDQEFGI
P02457	1449	FGIDIGPVCFLXX
P0C2W2	296	VQGPPGPQGPRXX
P02467	81	FAAQYDPSKAADF
P02467	89	KAADFPGPMGLM
P02467	313	KGAAGLPGVAGAP
P02467	417	RAGVMGPAGNRGA
P02467	469	XXXXGFPADGRV
P02467	493	PGNIGFPGPKGPT
P02467	874	PGILGLPGSRGER
P02467	933	NPGNDGPPGRDGA
P02467	1042	HGDQGP PGNNGPA
P02467	1120	YYRADQPSLRPKD
P02467	1124	DQPSLRPKDYEVD
P02467	1165	DLRLSHPEWSSGF

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P02467	1206	ASLEDIP	TKTWYV
P02467	1332	EYRTNK	PSRLPIL
P56711	38	FLSKRK	PSAERWR
P05539	7	MIRLGAP	QSLVLL
P05539	40	KGQKGE	PGDIKDI
P05539	134	MGVMQG	PMGPMGP
P05539	162	QGNPGE	PGEPGVS
P05539	498	RGLTGR	PGDAGPQ
P05539	642	PGERGS	PGAQGLQ
P05539	1148	PPGPPG	PGIDMSA
P05539	1165	GQREKG	PDPLQYM
P05539	1167	REKGPD	PLQYMRA
P05539	1260	SCVYPN	PATVPRK
P05539	1264	PNPATV	PRKNWWS
P05539	1300	GDGNLA	PNTANVQ
P05997	10	NWAEAR	PLILILIV
P05997	85	VLDCAD	PVTPPGE
P05997	89	ADPVT	PPGECPPV
P05997	100	PVCSQT	PGGGNTN
P05997	122	GEPGLV	PVVTGIR
P05997	184	HPSHPG	PDGLSRP
P05997	190	PDGLSR	PFSAQMA
P05997	212	SQVGLM	PGSVGPV
P05997	505	EEGKR	GPRGDPGT
P05997	1245	HYDESM	PDPLPEF
P05997	1247	DESMPD	PLPEFTE
P05997	1249	SMPDPL	PEFTEDQ
P05997	1258	TEDQA	APDDKNKT
P05997	1266	DKNKTD	PGVHATL
P05997	1355	WWASKS	PDNKPVW
P05997	1359	KSPDNK	PVWYGLD
P05997	1380	YGDHQS	PNTAITQ
P12108	6	XMAHRS	PALCLLL
P12108	26	LAQLRG	PPGEPGP
P12108	113	PPGLPG	PSLPGPP
P12108	116	LPGPSL	PGPPGLP
P12108	119	PSLPGP	PGLPGQV
P12108	173	SADFLC	PTNCPPG
P12108	177	LCPTNC	PPGPKGP
P12108	180	TNCPPG	PKGPQGL
P12108	612	DTGRGH	PGMPGPP
P12108	627	PGLPGI	PGHALAG
P12108	659	PGPAGL	PGFCEPA
P12108	664	LPGFCE	PAACLGA
P12108	672	ACLGAL	PTPRHGX
A6YR20	15	VLLLLL	PYGDLIT
A6YR20	34	AARKVT	PWRRNLK
Q05707	14	MRYWLL	PPFLAIV
Q05707	15	RYWLLP	PFLAIVY
Q05707	32	VQGQVA	PPTRLRY
Q05707	33	QGQVAP	PTRLRYN
Q05707	53	QISWKA	PRGKFGG
Q05707	66	YKLLVT	PTSGGKT
Q05707	91	IIQGLM	PDQNYTV
Q05707	110	KDKESK	PAQGQFR
Q05707	126	LEKRKD	PKPRVKV
Q05707	128	KRKDPK	PRVKVVD
Q05707	141	RGNGSR	PSSPEEV
Q05707	144	GSRPSS	PEEVKFV

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Q05707	154	KFVCQT <b>P</b> AIADIV
Q05707	206	AQYSGD <b>P</b> RIEWHL
Q05707	229	EAVRN <b>L</b> PYKGGNT
Q05707	251	FENSFK <b>P</b> EAGSRT
Q05707	277	SQDDI <b>I</b> PPSRNLR
Q05707	278	QDDI <b>I</b> PPSRNLR
Q05707	309	QEIAS <b>E</b> PDSTHVY
Q05707	355	AHAITG <b>P</b> PTELIT
Q05707	356	HAITG <b>P</b> PTELITS
Q05707	377	VNWT <b>H</b> APGNVEKY
Q05707	389	YRVV <b>Y</b> YPTRGGKP
Q05707	395	PTRGGK <b>P</b> DEVVVD
Q05707	444	ETTL <b>A</b> LPMASDLL
Q05707	467	VKWD <b>A</b> VPGASGYL
Q05707	478	YLIL <b>Y</b> AP <b>L</b> TEGLA
Q05707	506	ELSG <b>L</b> LPNTEYTV
Q05707	525	GEEAS <b>D</b> PVTGQET
Q05707	537	TTL <b>A</b> LS <b>P</b> PRNLR
Q05707	538	TL <b>A</b> LS <b>P</b> PRNLRIS
Q05707	557	ARLT <b>W</b> DP <b>T</b> SRQIN
Q05707	584	NEVE <b>V</b> DPITTFPL
Q05707	589	DPIT <b>T</b> FP <b>L</b> KGLTP
Q05707	614	DEGQ <b>S</b> E <b>L</b> TGVFT
Q05707	625	FTTE <b>E</b> V <b>P</b> AQQYLE
Q05707	646	FRVT <b>W</b> H <b>P</b> LSADEC
Q05707	720	DSFW <b>T</b> E <b>P</b> ATTIVP
Q05707	726	PATTI <b>V</b> PTTSVTS
Q05707	776	MTAQ <b>G</b> D <b>P</b> EEEVIG
Q05707	787	IGTV <b>M</b> V <b>P</b> GSQNNL
Q05707	797	NNLL <b>L</b> L <b>K</b> PLLPDTE
Q05707	810	YKV <b>T</b> VT <b>P</b> IYTDGE
Q05707	823	GVSV <b>S</b> AP <b>G</b> KTLPS
Q05707	828	APG <b>K</b> TL <b>P</b> SSGPQN
Q05707	851	LRIT <b>W</b> DP <b>P</b> SSPVK
Q05707	852	RIT <b>W</b> DP <b>P</b> SSPVKG
Q05707	855	WD <b>P</b> PSS <b>P</b> VKGYRI
Q05707	865	YRIV <b>Y</b> K <b>P</b> VSVPGP
Q05707	869	YKP <b>V</b> SV <b>P</b> GP <b>T</b> LET
Q05707	871	PVS <b>V</b> PG <b>P</b> TLET <b>F</b> V
Q05707	979	CFY <b>G</b> LQ <b>P</b> DSEYKI
Q05707	997	LQE <b>I</b> EG <b>P</b> SVSIME
Q05707	1012	QSL <b>P</b> TR <b>P</b> PT <b>F</b> PPT
Q05707	1013	SL <b>P</b> TR <b>P</b> PT <b>F</b> PPT <b>I</b>
Q05707	1020	TF <b>P</b> P <b>T</b> I <b>P</b> PAKEVC
Q05707	1021	FP <b>P</b> T <b>I</b> P <b>P</b> AKEVCK
Q05707	1081	VQ <b>F</b> TDD <b>P</b> RTEFKL
Q05707	1135	GTR <b>R</b> GI <b>P</b> KVIVVI
Q05707	1184	VSIG <b>S</b> K <b>P</b> SARHVF
Q05707	1218	TAS <b>A</b> TC <b>P</b> VVHKDG
Q05707	1253	EGV <b>S</b> ME <b>P</b> GTFNVF
Q05707	1260	GTF <b>N</b> V <b>F</b> PCYQLHK
Q05707	1273	DAL <b>V</b> SQ <b>P</b> TRYLHP
Q05707	1279	PTRY <b>L</b> H <b>P</b> EGLPSD
Q05707	1283	LH <b>P</b> EGL <b>P</b> SDYTIS
Q05707	1296	FL <b>F</b> RI <b>L</b> PD <b>T</b> PQEP
Q05707	1299	RIL <b>P</b> DT <b>P</b> QEPFAL
Q05707	1302	PD <b>T</b> PQ <b>E</b> PFALWEI
Q05707	1315	LNK <b>N</b> SD <b>P</b> LVGVIL
Q05707	1347	TVTF <b>E</b> G <b>P</b> EIRKIF

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Q05707	1406	MVRSRGPGGNSAP
Q05707	1436	DKCCELPGLRDDE
Q05707	1445	RDDESCPDLPHSC
Q05707	1448	ESCPDLPHSCSCS
Q05707	1463	NEVALGPAGPPGG
Q05707	1761	QPGYCDPSSCSAY
Q05707	1772	AYGVRAPHDPQPE
Q05707	1774	GVRAPHDPQPEFT
Q05707	1777	APHPDQPEFTPVQ
Q05707	1781	DQPEFTPVQDELE
B2KPN7	62	WEYHAHPKPNSEFW
Q6PSU2	44	ERANLRPCEQHLM
Q6PSU2	64	DSYGRDPYSPSQD
Q6PSU2	78	YSPSQDPDRRDPY
Q6PSU2	88	DPYSPSPYDRRGA
Q6PSU2	149	RELRLNPQQCGLR
Q6PSU2	157	QCGLRAPQRCDLE
P58786	35	ADRNAVPRDDNPG
P58786	40	VPRDDNPGGASGK
P86256	2	XXXXXDPCCGYRM
P58808	5	XXMRCLPVLIIIL
P58808	18	LLTASAPGVVVL
P58808	24	PGVVVLPKTEDDV
P58808	31	KTEDDVPMSSVYG
P81755	18	LLIASAPCFDART
P69765	23	KAKDNMPLASFHD
P69765	46	INTRCCPGKPCR
B2CS62	27	KLIRTRPLMYHVC
D2Y171	69	APCCQHPJETCCR
D2Y168	23	IETEAGPVNEAGV
D2Y168	42	LVGRGCPADCPNT
D2Y168	46	GCPADCNTCDSS
P80762	5	XXNMYLPPVPPPP
P80774	4	XXXQNQPPDFANP
P80774	5	XXQNQPPDFANPF
P80774	14	ANPFIIPQNAAXX
P86500	5	XXFELLPSQDRSC
P86500	52	YYFGCCPGYATCM
C4PWC4	70	LNRVCGPMCCPAS
P0CE29	40	NGLARYPQRGGRD
B4YSU8	16	ALLLLLPLSTAQD
B4YSU8	69	VNSRCCPTTDGCX
P00057	7	ASFBZAPGBVKA
P00057	8	SFBZAPGBVKAG
P00057	38	AGHKQGNLNLGLF
P00057	84	NPKKYIPGTKMVF
P00057	91	GTKMVFPGCLKKPQ
P00057	96	FPGLKKPQDRADL
P15502	11	TAAAPRPGVLLLL
P15502	23	LLSILHPSRPGGV
P15502	26	ILHPSRPGGVPGA
P15502	30	SRPGGVPGAIPGG
P15502	38	AIPGGVPGGVFYP
P15502	44	PGGVFYPGAGLGA
P15502	58	GGGALGPGGKPLK
P15502	62	LGPGGKPLKPVPG
P15502	65	GGKPLKVPVGGLA
P15502	67	KPLKVPVGGLAGA
P15502	83	AGLGAFPAVTFPG

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P15502	88	FPAVTFPGALVPG
P15502	130	SAGAVVPQPGAGV
P15502	132	GAVVPQPGAGVKP
P15502	138	PGAGVKPGKVPGV
P15502	142	VKPGKVPGVGLPG
P15502	147	VPGVGLPGVYPGG
P15502	156	YPGGVLPGARFPG
P15502	170	GVLPGVPTGAGVK
P15502	177	TGAGVKPKAPGVG
P15502	180	GVKPKAPGVGGAF
P15502	194	GIPGVGPFGGPQP
P15502	198	VGPFGGPQPGVPL
P15502	200	PFGGPQPGVPLGY
P15502	207	GVPLGYPIKAPKL
P15502	211	GYPIKAPKLPGGY
P15502	220	PGGYGLPYTTGKL
P15502	227	YTTGKLPGYGP
P15502	245	AGKAGYPTGTGVG
P15502	252	TGTGVGPQAAAAA
P15502	290	GVPGAIPGIGGIA
P15502	301	IAGVGTAAAAAA
P15502	324	AAAGLVPGPGFG
P15502	331	GGPGFGPGVGVVP
P15502	355	AGIPVVPAGVIPG
P15502	365	IPGAAVPGVVSPE
P15502	395	VGVGGIPTYGVGA
P15502	433	PGVGGVPGVGISP
P15502	465	VLGGLVPGPQAAV
P15502	467	GGLVPGPQAAVPG
P15502	550	VAPGIGPGVAAA
P15502	598	GVGAGVPGLGVGA
P15502	623	VRRSLSPELREGD
P15502	630	ELREGDPSSSQHL
P15502	637	SSSQHLSTPSSP
P15502	640	QHLPSTPSSPRVP
P15502	643	PSTPSSPRVPGAL
P15502	646	PSSPRVPGALAAA
P15502	755	GGAGQFPLGGVAA
P15502	769	PGFGLSPIFPGGA
P15502	772	GLSPIFPGGACLG
A1X158	24	ASAVYHPPSWTAW
A1X158	25	SAVYHPPSWTAWI
A1X158	33	WTAWIAPKPWTAW
A1X158	35	AWIAPKPWTAWKV
A1X158	74	AWKAPPAAWTAWK
A1X158	93	TAWKAPPPTWTAW
A1X158	352	WTAWKVPPPAWTA
A1X158	443	TAWRATPPPTWTA
A1X158	557	WTAWTAPPAYGXX
Q16665	45	ELAHQLPLPHNVS
Q16665	47	AHQLPLPHNVSSH
Q16665	138	VFDFTHPCDHEEM
Q16665	208	DTNSNQPCGYKK
Q16665	215	QCGYKKPMTCLV
Q16665	216	CGYKKPMTCLVL
Q16665	226	LVLICEPIPHPSN
Q16665	228	LICEPIPHPSNIE
Q16665	230	CEPIPHPSNIEIP
Q16665	236	PSNIEIPLDSKTF

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Q16665	267	ELMGYEPEELLGR
Q16665	332	NTKNSQPQCIVCV
Q16665	363	TECVLKPVESDM
Q16665	394	DKLKKEPDALTLL
Q16665	429	QQLEEVPLYNDVM
Q16665	437	YNDVMLPSPNEKL
Q16665	439	DVMLPSPNEKLQN
Q16665	452	INLAMSPLPTAET
Q16665	454	LAMSPLPTAETPK
Q16665	459	LPTAETPKPLRSS
Q16665	461	TAETPKPLRSSAD
Q16665	468	LRSSADPALNQEY
Q16665	480	VALKLEPNPESLE
Q16665	482	LKLEPNPESLELS
Q16665	492	ELSFTMPQIQDQT
Q16665	499	QIQDQTPSPSDGS
Q16665	501	QDQTPSPSDGSTR
Q16665	511	STRQSSPEPNSPS
Q16665	513	RQSSPEPNSPSEY
Q16665	516	SPEPNSPSEYCFY
Q16665	549	DTEAKNPFSTQDT
Q16665	567	MLAPYIPMDDDFQ
Q16665	582	SFDQLSPLESSSA
Q16665	590	ESSSASPESASPQ
Q16665	595	SPESASPQSTVTV
Q16665	610	QTQIQEPTANATT
Q16665	642	KILIASPSPTHIH
Q16665	644	LIASPSPTHIHKE
Q16665	658	TSATSSPYRDTQS
Q16665	669	QSRTASPNRAGKG
Q16665	685	QTEKSHPRSPNVL
Q16665	688	KSHPRSPNVLSPA
Q16665	702	SQRTTVPEEELNP
Q16665	708	PEEELNPKILALQ
Q16665	741	GTLLQQPDDHAAT
Q16665	775	KTIILIPSDLACR
Q16665	793	MDESGLPQLTSYD
Q16665	805	DCEVNAPIQGSRN
Q9Y2N7	84	VGAGGEPLDACYL
Q9Y2N7	147	LQDALTQQQTLR
Q9Y2N7	159	RRKVEAPTERCFS
Q9Y2N7	200	HMRAYKPPAQTS
Q9Y2N7	201	MRAYKPPAQTSPA
Q9Y2N7	206	PPAQTS
Q9Y2N7	210	PAGSPDS
Q9Y2N7	214	TSPAGSPDSEPL
Q9Y2N7	215	GSPDSEPLQCLV
Q9Y2N7	215	SPDSEPLQCLVL
Q9Y2N7	234	HPGSLEPLGRGA
Q9Y2N7	235	PGSLEPLGRGAF
Q9Y2N7	266	EVAGYSPDDLIGC
Q9Y2N7	329	VSGGRGPQSEIV
Q9Y2N7	363	EQHSRRPIQRGAP
Q9Y2N7	369	PIQRGAPSQKDT
Q9Y2N7	375	PSQKDTNP
Q9Y2N7	377	PGDSL
Q9Y2N7	384	QKDTNP
Q9Y2N7	386	PGDSLDT
Q9Y2N7	394	GDSDLTPGPRILA
Q9Y2N7	395	SLDTPGPRILAFL
Q9Y2N7		ILAFHLHPPSLSEA
Q9Y2N7		LAFLHPPSLSEAA

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Q9Y2N7	406	AALAADPRRFCSP
Q9Y2N7	412	PRRFCSPDLRRL
Q9Y2N7	420	LRRLLGPILDGAS
Q9Y2N7	431	ASVAATPSTPLAT
Q9Y2N7	434	AATPSTPLATRHP
Q9Y2N7	440	PLATRHPQSPLSA
Q9Y2N7	443	TRHPQSPLSADLP
Q9Y2N7	449	PLSADLPDELPVG
Q9Y2N7	453	DLPDELPGVTENV
Q9Y2N7	509	NASEQLPRAYHRP
Q9Y2N7	515	PRAYHRPLGAVPR
Q9Y2N7	520	RPLGAVPRPRARS
Q9Y2N7	522	LGAVPRPRARSFH
Q9Y2N7	532	SFHGLSPPALEPS
Q9Y2N7	533	FHGLSPPALEPSL
Q9Y2N7	537	SPPALEPSLLPRW
Q9Y2N7	541	LEPSLLPRWGSDP
Q9Y2N7	547	PRWGSDPRLSCSS
Q9Y2N7	554	RLSCSSPSRGDPS
Q9Y2N7	559	SPSRGDPASASSPM
Q9Y2N7	564	DPSASSPMAGARK
Q9Y2N7	591	ELLGVRPPKRSPS
Q9Y2N7	592	LLGVRPPKRSPSP
Q9Y2N7	596	RPPKRSPSPEHEN
Q9Y2N7	598	PKRSPSPPEHENFL
Q9Y2N7	607	ENFLLFPLSLSFL
Q9Y2N7	618	FLLTGGPAPGSLQ
Q9Y2N7	620	LTGGPAPGSLQDP
Q9Y2N7	626	PGSLQDPSTPLLN
Q9Y2N7	629	LQDPSTPLNLNE
Q9Y2N7	636	LLNLNEPLGLGPS
Q9Y2N7	641	EPLGLGPSLLSPY
Q9Y2N7	646	GPSLLSPYSEDT
Q9Y2N7	655	DEDTTQPGGPFQP
Q9Y2N7	658	TTQPGGPFQPRAG
Q7XAD0	78	RHDSVLPPSPKT
Q7XAD0	86	PSPKTDPIIGQLT
Q7XAD0	98	TTITTTPHHDDTV
Q7XAD0	107	DDTVAAPPVGGRH
Q7XAD0	108	DTVAAPPVGGRHD
Q7XAD0	124	SPPPPKPQDEQRQ
Q7XAD0	141	SSSSTLPLQASYX
Q93WP8	13	IYLILSPFGAEAR
Q93WP8	41	GRGANLPPSPAS
Q93WP8	60	VSNSVSPTRTDEK
Q93WP8	91	NQLFSFPTSADNY
Q93WP8	113	FISYLLPVSYVWN
Q93WP8	147	RYWNRKPLSPSP
Q93WP8	161	PADGQRPLHSYXX
Q93WP7	89	NSNQLFPFLTSSD
Q93WP7	149	NRKPLSPSPKPA
Q93WP7	150	RKPLSPSPKPAD
Q93WP7	152	PLSPSPSPKPADGH
P01042	84	IKEGDCPVQSGKT
P01042	130	QTCQITPAEGPVV
P01042	134	ITPAEGPVVTAQY
P01042	148	CLGCVHPISTQSP
P01042	154	PISTQSPDLEPIL
P01042	158	QSPDLEPILRHGI

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P01042	216	NFLFLT <b>P</b> DCKSLW
P01042	252	QNCDIY <b>P</b> GKDFVQ
P01042	259	GKDFVQ <b>P</b> PTKICV
P01042	260	KDFVQ <b>P</b> PTKICVG
P01042	268	KICVGC <b>P</b> RDIPTN
P01042	272	GC <b>P</b> RDIPTNSPEL
P01042	359	AEVYVV <b>P</b> WEKKIY
P01042	366	WEKKIY <b>P</b> TVNCQP
P01042	372	PTVNCQ <b>P</b> LGMISL
P01042	404	EETTV <b>S</b> PHTSMA
P01042	405	ETTV <b>S</b> PHTSMAP
P01042	411	PHTSM <b>A</b> PAQDEER
P01042	534	SEDST <b>T</b> PSAQTQE
P01042	545	QEKTEG <b>P</b> TPIPSL
P01042	547	KTEG <b>P</b> TPIPSLAK
P01042	549	EG <b>P</b> TPIPSLAKPG
P01042	554	IPSLAK <b>P</b> GVTVTF
P01042	574	LIATMM <b>P</b> PISPAP
P01042	575	IATMM <b>P</b> PISPAPI
P01042	578	MM <b>P</b> PISPAPIQSD
P01042	580	PPISP <b>A</b> PIQSDDD
P01042	589	SDDDWI <b>P</b> DIQIDP
P01042	595	PDIQID <b>P</b> NGLSFN
P01042	602	NGLSF <b>N</b> PISDFPD
P01042	607	NPISDF <b>P</b> DTTSPK
P01042	612	FPDT <b>T</b> SPKCPGRP
P01042	615	TTSP <b>K</b> CPGRPWS
P01042	618	PKCP <b>G</b> RPWKSVSE
P01042	627	SVSEIN <b>P</b> TTQMKE
P14618	4	XXXMS <b>K</b> PHSEAGT
P14618	38	RLDID <b>S</b> PPITARN
P14618	39	LDID <b>S</b> PPITARNT
P14618	53	IICTIG <b>P</b> ASRSVE
P14618	102	ESFAS <b>D</b> PILYRPV
P14618	107	DPILY <b>R</b> PVAVALD
P14618	212	KKGVN <b>L</b> PGAAVDL
P14618	219	GAAVD <b>L</b> PAVSEKD
P14618	302	DLGIEI <b>P</b> AEKVFL
P14618	323	CNRAG <b>K</b> PVICATQ
P14618	338	ESMIK <b>K</b> PRPTRAE
P14618	340	MIK <b>K</b> PRPTRAECS
P14618	371	TAKGDY <b>P</b> LEAVRM
P14618	446	QVARY <b>R</b> PRAPIIA
P14618	449	RYRPR <b>A</b> PIIAVTR
P14618	457	IAVTR <b>N</b> PQTARQA
P14618	471	LYRGIF <b>P</b> VLCCKDP
P14618	477	PVLCKD <b>P</b> VQEAWA
P14618	517	VLTGWR <b>P</b> SGFTN
Q9BPB1	26	LFQE <b>K</b> RPMMKKIDF
P02820	4	XXXMR <b>T</b> PMLLALL
P02820	25	GRADAK <b>P</b> GDAESG
P02820	62	WLGAP <b>A</b> PYPDPLE
P02820	64	GAP <b>A</b> PYPDPLEPK
P02820	66	PAPYPD <b>P</b> LEPKRE
P02820	69	YPDP <b>L</b> EPKREVCE
P02820	78	EVCEL <b>N</b> PDCDELA
P02821	4	XXXYL <b>A</b> PGLGAPA
P84349	49	SEVV <b>K</b> RPRRYLYQ
P80760	10	KPPVE <b>K</b> PPVYKPP

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P52285	40	IGESDSPIPLPNV
P52285	42	ESDSPIPLPNVTS
P52285	44	DSPIPLPNVTSTI
P52285	65	RHHHQHPS PQGDD
P52285	67	HHQHPS PQGDDKK
P52285	82	KRLDDI PPYDRDF
P52285	83	RLDDI PPYDRDFC
P52285	94	FCKVDQPTLFELI
P52285	128	MIRGKTPEEIRKI
Q0VKG8	55	EERRDRPPSWIPK
Q9M0S4	34	PTRSPLPSPAQPP
Q9M0S4	39	LPSPAQPRTAAP
Q9M0S4	40	PSPAQPRTAAP
Q9M0S4	45	PPRTAAPTPSITP
Q9M0S4	47	RTAAPTPSITPTP
Q9M0S4	53	PSITPTPTPTPSA
Q9M0S4	61	PTPSATPTAAPVS
Q9M0S4	65	ATPTAAPVSPAG
Q9M0S4	68	TAAPVSPAGSPL
Q9M0S4	69	AAPVSPAGSPLP
Q9M0S4	73	SPPAGSPLPSSAS
Q9M0S4	80	LPSSASPPAPPTS
Q9M0S4	81	PSSASPPAPPTSL
Q9M0S4	83	SASPPAPPTSLTP
Q9M0S4	84	ASPPAPPTSLTPD
Q9M0S4	97	GAPVAGPTGSTPV
Q9M0S4	102	GPTGSTPVDNNNA
Q9LJD9	45	DAAMFVPALFASV
O82337	63	LTYLIHPLDASSS
Q9SJY7	33	APTTVT PPPTALP
Q9SJY7	39	PPPTALPPVTAET
Q9SJY7	40	PPTALPPVTAETP
Q9SJY7	52	PSPIASPPVPVNE
Q9SJY7	53	SPIASPPVPVNEP
Q9SJY7	59	PVPVNEPTPAPTT
Q9SJY7	63	NEPTPAPTTSPTT
Q9SJY7	75	TSPVASPPQTDAP
Q9SJY7	76	SPVASPPQTDAPA
Q9SJY7	83	QTDAPAPGPSAGL
Q9SJY7	85	DAPAPGPSAGLTP
Q9SJY7	91	PSAGLTP TSSPAP
Q9SJY7	95	LTPTSSPAPGPDG
Q9SJY7	97	PTSSPAPGPDGAA
Q9SJY7	99	SSPAPGPDGAADA
Q9SJY7	106	DGAADAPSAAWAN
Q9ZT16	45	PVATPPP VATPPP
Q9ZT16	55	PPPAATPAPATPP
Q9ZT16	72	PAPATTPPSVAPS
Q9ZT16	73	APATTPPSVAPSP
Q9ZT16	79	PSVAPS PADVPTA
Q9ZT16	83	PSPADVPTASPPA
Q9ZT16	88	VPTASPPAPEGPT
Q9ZT16	90	TASPPAPEGPTVS
Q9ZT16	101	VSPSSAPGPSDAS
Q9ZT16	108	GPSDASPAPSAAF
Q8LG54	53	APTTTPPAVSPA
Q8LG54	60	PAVSPAPTSSPPS
Q8LG54	90	EGPGVSPGELAPT
Q8LG54	97	GELAPT PSDASAP

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Q8LG54	104	SDASAPPPNAALT
Q9C5S0	23	GVTGQAPTSPPTA
Q9C5S0	36	TPAPPTPTTPPPA
Q9C5S0	51	PPPVSAAPPVTTT
Q9C5S0	70	APPPANPPPPVSS
Q9C5S0	112	PPVATPPAPPLAS
Q9C5S0	126	PAQVPAPAPTTKP
Q9C5S0	135	TTKPDSPPSPSS
Q9C5S0	137	KPDSPSPSPSSSP
Q9C5S0	146	SSSPPLPSSDAPG
Q9C5S0	153	SSDAPGPSTDSIS
Q9C5S0	160	STDSISPAPSPTD
Q9C5S0	162	DSISPAPSPTDVN
P02745	4	XXXMEGPRGWLVL
P02745	29	EDLCRAPDGKKGE
P02745	113	GNIKDQPRPAFSA
P02745	115	IKDQPRPAFSAIR
P02745	124	SAIRRNPPMGGNV
P02745	125	AIRRNPPMGGNVV
P02745	143	ITNQEEPYQNHSG
P02745	221	VWVEKDKKKGHIY
P02747	5	XXMDVGPSLPHL
P02747	9	VGPSSLPHLGLKL
P02747	131	TRQTHQPPAPNSL
P02747	132	RQTHQPPAPNSLI
P02747	134	THQPPAPNSLIRF
P02747	147	NAVLTNPQGDYDT
P58782	5	XXGCCGPYPNAAC
P0C8W0	9	TLGILLPIALLLP
P0C8W0	15	PIALLLPLANPAE
P0C8W0	19	LLPLANPAENGDG
P0C8W0	29	GDGQAMPRTNLR
P0C8W0	73	GPCCCKPNFTCQI
Q7Z094	36	STNWILPGCSTSS
Q9U3Z3	23	FLNLVVPTSACRA
Q9U3Z3	57	GHPCRHPGKRSL
P60245	12	LYGSCRPFPGCYN
P02453	36	GQEEDI PPVTCVQ
P02453	37	QEEDI PPVTCVQN
P02453	82	DELDKDCPNAKVPT
P02453	102	PEGQESPTDQETT
P02453	1017	SGREGAPGAEGSP
P02453	1304	CVYPTQPSVAQKN
P0C2W8	1031	PGPPGPPSGAFDF
P12111	8	RKHRHLPLVAVFC
P12111	21	LFLSGFPTTHAQQ
P12111	143	RAGDGVQVIVVL
P12111	161	KDGLALPSAELKS
P12111	223	VHSSVSPERAGDT
P12111	273	NLLEKLPIGTQQI
P12111	357	VLISAGPSSDEIR
P12111	403	NLVFTVPEFRSFG
P12111	417	LQEKLLPYIVGVA
P12111	431	RHIVLKPTIVTQ
P12111	432	HIVLKPTIVTQV
P12111	495	YADTVRPEFYFNT
P12111	503	FYFNTHPTKREVI
P12111	517	AVRKMKPLDGSAL
P12111	550	RAAEGI PKLLVLI

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P12111	568	LDEISQPAQELKR
P12111	605	SSLVFIPAEFRAA
P12111	612	AEFRAAPLQGMLP
P12111	618	PLQGMLPGLLAPL
P12111	623	LPGLLAPLRTLSG
P12111	631	RTLSGTPEVHSNK
P12111	656	VGKTNFPYVRDFV
P12111	793	EQIAFNPSLVYLM
P12111	806	DDFSSLPALPQQL
P12111	809	SSLPALPQQLIQP
P12111	815	PQQLIQPLTTYVS
P12111	828	GGVEEVPLAQPES
P12111	832	EVPLAQPESKRDI
P12111	853	NLVGQFPVVRDFL
P12111	870	DELNVKPEGTRIA
P12111	897	DEHQSKPEILNLV
P12111	959	SDRVDGPASNLIKQ
P12111	970	KQSGVVPFIFQAK
P12111	980	QAKNADPAELEQI
P12111	990	EQIVLSPAFILAA
P12111	1000	LAAESLPKIGDLH
P12111	1007	KIGDLHPQIVNLL
P12111	1021	SVHNGAPAPVSGE
P12111	1023	HNGAPAPVSGEKD
P12111	1045	GVRSGFPLLKEFV
P12111	1104	LTLLGGPTPNTGA
P12111	1106	LLGGPTPNTGAAL
P12111	1151	GDDVRNPSVVVKR
P12111	1162	KRGGAVPIGIGIG
P12111	1182	QTISFIPDFAVAI
P12111	1189	DFAVAIPTFRQLG
P12111	1218	EL SRLQPVLQPLP
P12111	1222	LQPVLQPLPSPGV
P12111	1224	PVLQPLPSPGVGG
P12111	1226	LQPLPSPGVGGKR
P12111	1246	GSQSAGPEFQYVR
P12111	1304	AVQRLRPKGGRQI
P12111	1327	RNIFKRPLGSRIE
P12111	1366	KQFGVAPFTIARN
P12111	1385	VKISLSP EYVFSV
P12111	1398	STFRELPSLEQKL
P12111	1407	EQKLLTPITTLTS
P12111	1426	LASTRYPPPAVES
P12111	1428	STRYPPPAVESDA
P12111	1449	SSEGVRPDGFAHI
P12111	1470	RRLNIGPSKVRVG
P12111	1486	FSNDVFPEFYLKT
P12111	1498	TYRSQAPVLDAIR
P12111	1513	RLRGGSPLNTGKA
P12111	1590	QTITNDPRLVFTV
P12111	1603	REFRELPNIEERI
P12111	1615	IMNSFGPSAATPA
P12111	1628	PPGVDTPPPSRPE
P12111	1629	PGVDTPPPSRPEK
P12111	1630	GVDTPPPSRPEKK
P12111	1633	TPPPSRPEKKKAD
P12111	1744	RLDQRVQIAFVI
P12111	1826	MHETLCPGVTDA
P12111	1883	CSGGRSPTVRVSV

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P12111	1894	SVVANTPSGPVEA
P12111	1897	ANTPSGPVEAFDF
P12111	1908	DFDEYQPEMLEKF
P12111	1922	NMRSQHPLYLTED
P12111	2005	GFMYDRPLRLNLL
P12111	2033	KACCGVPCKCSGQ
P12111	2160	RGDPGNPGQDSQE
P12111	2218	KGGPGQPGFEGEQ
P12111	2388	SIKDKCPCCYGPL
P12111	2393	CPCCYGLEPCPVF
P12111	2397	YGPLECVPFPTTEL
P12111	2400	LECPVFPTELAF
P12111	2440	IAESNCPRGARVA
P12111	2519	VFFSNTPTRASPQ
P12111	2524	TPTRASQQLREAV
P12111	2540	SDAGITPLFLTRQ
P12111	2569	GHALVLPAGRDLT
P12111	2595	DICNIDPSCGFGS
P12111	2604	GFGSWRPSFRDRR
P12111	2653	RQLDMSDPKASQ
P12111	2655	LDMSDPKASQHF
P12111	2671	AVVQHAPSESVDN
P12111	2681	VDNASMPVKVEF
P12111	2682	DNASMPVKVEFS
P12111	2731	NVFESAPNPRDLK
P12111	2733	FESAPNPRDLKIV
P12111	2790	YTFASEPNDVFFK
P12111	2808	TELNEEPLMRFR
P12111	2817	RFGRLLPFSVSSE
P12111	2830	NAFYLSPIRKQC
P12111	2844	WFQGDQPTKNLVK
P12111	2859	HKQVNVNNVTSS
P12111	2866	NNVTSSPTSNPVT
P12111	2870	SSPTSNPVTTTKP
P12111	2882	PVTTTKPVTTTK
P12111	2903	VTIINQPSVKPAA
P12111	2907	NQPSVKPAAAKPA
P12111	2914	AAAKPAPAKPVAA
P12111	2917	KPAPAKPVAAPV
P12111	2932	KMATVRPPVAVKP
P12111	2967	KPVATKPEVPRPQ
P12111	2970	ATKPEVPRPQAAK
P12111	3014	HWERAEPGPYFY
P12111	3015	WERAEPGPYFYD
P12111	3017	RAEPPGPYFYDLT
P12111	3081	STKKSQPPPPQPA
P12111	3082	TKKSQPPPPQPAR
P12111	3083	KKSQPPPPQPARS
P12111	3084	KSQPPPPQPARSA
P12111	3086	QPPPPQPARSASS
P12111	3103	LMVSTEPLALTET
P12111	3115	TDICKLPKDEGTC
P12111	3132	LKWYYDPNTKSCA
P12111	3164	CEKVCAPVLAKPG
P60513	13	YGFCSLPILKNGL
Q02388	19	GILAEAPRVRAQH
Q02388	67	LEGLVLPFSGAAS
Q02388	133	ADHVFLPQLARPG
Q02388	138	LPQLARPGVPKVC

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Q02388	141	LARPGV <b>P</b> KVCILI
Q02388	190	KRVASQ <b>P</b> TSDFFF
Q02388	209	ILRTL <b>L</b> PLVSRRV
Q02388	223	TTAGGV <b>P</b> VTRPPD
Q02388	227	GVPVTR <b>P</b> PDDSTS
Q02388	228	VPVTR <b>P</b> PDDSTSA
Q02388	235	DDSTSA <b>P</b> RDVLVS
Q02388	243	DLVLSE <b>P</b> SSQSLR
Q02388	258	WTAASG <b>P</b> VTYGKV
Q02388	268	YKVQYT <b>P</b> LTGLGQ
Q02388	275	LTGLGQ <b>P</b> LPSEERQ
Q02388	277	GLGQ <b>P</b> LPSEERQEV
Q02388	286	RQEVNV <b>P</b> AGETSV
Q02388	331	TTALEG <b>P</b> ELTIQN
Q02388	367	RVLSGG <b>P</b> TQQQEL
Q02388	375	QQQELG <b>P</b> QGGSVL
Q02388	387	LLRDLE <b>P</b> GTDYEV
Q02388	405	FGRSVG <b>P</b> ATSLMA
Q02388	423	VEQTLR <b>P</b> VILGPT
Q02388	428	RPVILG <b>P</b> TSILLS
Q02388	439	LSWNLV <b>P</b> EARGYR
Q02388	456	RETGLE <b>P</b> PQKVVL
Q02388	457	ETGLE <b>P</b> PQKVVL
Q02388	463	PQKVVL <b>P</b> SDVTRY
Q02388	496	GHEVAT <b>P</b> ATVVPT
Q02388	501	TPATVV <b>P</b> TGPELP
Q02388	504	TVVPTG <b>P</b> ELPVSP
Q02388	507	PTGPEL <b>P</b> VSPVTD
Q02388	510	PELPVS <b>P</b> VTDLQA
Q02388	520	LQATEL <b>P</b> GQVRV
Q02388	530	VRVSW <b>P</b> VPGATQ
Q02388	554	ERTLV <b>L</b> PGSQTA
Q02388	595	LTVRRE <b>P</b> ETPLAV
Q02388	598	RREPET <b>P</b> LAVPGL
Q02388	602	ETPLAV <b>P</b> GLRVVV
Q02388	637	WSTGSG <b>P</b> ESSQTL
Q02388	644	ESSQTL <b>P</b> PDSTAT
Q02388	645	SSQTL <b>P</b> PDSTATD
Q02388	657	DITGLQ <b>P</b> GTTYQV
Q02388	675	RGREEG <b>P</b> AAVIVA
Q02388	685	IVARTD <b>P</b> LGPVRT
Q02388	688	RTDPLG <b>P</b> VRTVHV
Q02388	725	WWSAHG <b>P</b> EKSQLV
Q02388	763	VAGVDG <b>P</b> PASVVV
Q02388	764	AGVDG <b>P</b> PASVVV
Q02388	773	VVVRTA <b>P</b> EPVGRV
Q02388	775	VRTA <b>P</b> EPVGRVSR
Q02388	816	GRSEGG <b>P</b> MRHQIL
Q02388	823	MRHQIL <b>P</b> GNNTDSA
Q02388	863	SIVVTT <b>P</b> PPEAPPA
Q02388	867	TTPPEA <b>P</b> PALGTL
Q02388	868	TPPEA <b>P</b> PALGTLH
Q02388	889	LRLRWE <b>P</b> VPRAQG
Q02388	891	LRWE <b>P</b> VPRAQGFL
Q02388	902	FLLHWQ <b>P</b> EGGQEQ
Q02388	914	QSRVLG <b>P</b> ELSSYH
Q02388	939	RLSVLG <b>P</b> AGEGPS
Q02388	944	GPAGEG <b>P</b> SAEVTA
Q02388	955	TARTES <b>P</b> RVPSIE

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Q02388	958	TESPRVPSIELRV
Q02388	978	VTLAWTPVSRASS
Q02388	991	YILSWRPLRGPGQ
Q02388	995	WRPLRGPGQEVPG
Q02388	1000	GPGQEVPGSPQTL
Q02388	1003	QEVPGSPQTLPGI
Q02388	1007	GSPQTLPGISSSQ
Q02388	1020	RVTGLEPGVSYIF
Q02388	1030	YIFSLTPVLDGVR
Q02388	1046	ASVTQT PVCPRGL
Q02388	1049	TQTPVCPRGLADV
Q02388	1059	ADVVF LPHATQDN
Q02388	1085	LVLALGPLGPQAV
Q02388	1088	ALGPLGPQAVQVG
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Q02388	1104	YSHRPSPLFPLNG
Q02388	1107	RPSPLFPLNGSHD
Q02388	1125	QRIRDMPYMDPSG
Q02388	1129	DMPYMDPSGNNLG
Q02388	1148	HRYMLAPDAPGRR
Q02388	1151	MLAPDAPGRRQHV
Q02388	1158	GRRQHVP GVMVLL
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Q02388	1176	RGDIFSPIREAAQ
Q02388	1197	GMAGADPEQLRRL
Q02388	1205	QLRRLAPGMDSVQ
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Q02388	1242	ASFTTQPRPEPCP
Q02388	1244	FTTQPRPEPCPVY
Q02388	1246	TQPRPEPCPVYCP
Q02388	1248	PRPEPCPVYCPKG
Q02388	1361	VIGGEGPGLPGRK
Q02388	1410	DRGERGPPGPGE
Q02388	1411	RGERGPPGPGE
Q02388	1547	DPAVVGPAVAGPK
Q02388	1713	RLVDTGPGAREKG
Q02388	1721	AREKGE PGDRGQE
Q02388	1936	RGLRGE PGSPVNV
Q02388	1972	SSGSFLVPERRR
Q02388	1974	GSFLPVPERRRGP
Q02388	2099	KVSVDEPGPGLSG
Q02388	2101	SVDEPGPGLSGEQ
Q02388	2134	KGDRGVPGIKGDR
Q02388	2714	IGGFPGPSGNDGS
Q02388	2832	SQLHAVPVLRVSH
Q02388	2846	EEEERVPPEDDEY
Q02388	2847	EEERVPPEDDEYS
Q02388	2866	VEEYQDPEAPWDS
Q02388	2869	YQDPEAPWDSDDP
Q02388	2875	PWDSDDPCSLPLD
Q02388	2906	STEACHPFVYGGC
Q02388	2930	ACERRCPPRVVQS
Q02388	2931	CERRCPPRVVQSQ
P23805	15	LLLLLTQPWRSLGA
P23805	42	TLVMCSPLESGLP
P23805	59	QDGRECPHGEKGD
P23805	249	KKAVLFPDGQAVG
P23805	285	KGQLASPRSSAEN
P23805	321	EGRFTYPTGEILV

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P23805	336	NWADGE	P	NN	S	D	E	G	
P23805	344	NSDEGQ	P	E	N	C	V	E	I
P23805	352	NCVEIF	P	D	G	K	W	N	D
P23805	360	GKWNDV	P	C	S	K	Q	L	L
P29602	16	NTGWSV	P	S	S	P	N	F	Y
P29602	19	WSVPSS	P	N	F	Y	S	Q	W
P29602	42	SLQFNF	P	A	N	A	H	N	V
P29602	74	DVERTS	P	V	I	E	R	L	D
Q9BPG6	34	DDVPLS	P	L	R	D	N	L	K
Q25460	5	XXTKHE	P	V	Y	K	P	V	K
Q25460	9	HEPVYK	P	V	K	T	S	Y	S
Q25460	17	KTSYSA	P	Y	K	P	P	T	Y
Q25460	20	YSAPYK	P	P	T	Y	Q	P	L
Q25460	21	SAPYKP	P	T	Y	Q	P	L	K
Q25460	34	KKVDYR	P	T	K	S	Y	P	P
Q25460	39	RPTKSY	P	P	T	Y	G	S	K
Q25460	40	PTKSY	P	P	T	Y	G	S	K
Q25460	50	SKTNYL	P	L	A	K	K	L	S
Q25460	60	KLSSYK	P	I	K	T	T	Y	N
Q25460	72	NAKTNY	P	P	V	Y	K	P	K
Q25460	73	AKTNYP	P	V	Y	K	P	K	M
Q25460	87	YPPTYK	P	K	P	S	Y	P	P
Q25460	99	PTYKSK	P	T	Y	K	P	K	I
Q25460	168	KTKKTY	P	S	S	Y	K	A	K
P85065	9	SWSLCT	P	G	C	T	S	P	G
P19999	137	TNHERM	P	F	S	K	V	K	A
P19999	155	RGTVAI	P	R	N	A	E	E	N
P19999	203	NWKKDE	P	N	D	H	G	S	G
P08661	30	GAQSSC	P	V	I	A	C	S	S
P08661	37	VIACSS	P	G	L	N	G	F	P
P08661	143	SSVRRM	P	L	N	R	A	K	A
Q941C7	25	SSLARN	P	V	S	V	S	G	G
Q941C7	52	VEDYGD	P	S	A	N	P	K	H
Q941C7	56	GDPSAN	P	K	H	D	P	G	V
Q941C7	60	ANPKHD	P	G	V	P	P	S	A
P00877	3	XXXXMV	P	Q	T	E	T	K	A
P00877	27	RLTYYT	P	D	Y	V	V	R	D
P00877	44	AAFRMT	P	Q	L	G	V	P	P
P00877	49	TPQLGV	P	P	E	E	C	G	A
P00877	50	PQLGVP	P	E	E	C	G	A	A
P00877	89	RCYDIE	P	V	P	G	E	D	N
P00877	91	YDIEPV	P	G	E	D	N	Q	Y
P00877	141	LEDLRI	P	P	A	Y	V	K	T
P00877	142	EDLRI	P	P	A	Y	V	K	T
P00877	176	LGCTIK	P	K	L	G	L	S	A
P00877	210	ENVNSQ	P	F	M	R	W	R	D
P00877	263	AKELGV	P	I	I	M	H	D	Y
P00877	372	QDWCSM	P	G	V	M	P	V	A
P00877	376	SMPGVM	P	V	A	S	G	G	I
P00877	388	IHVWHM	P	A	L	V	E	I	F
P00877	410	GGTLGH	P	W	G	N	A	P	G
P00877	415	HPWGN	A	P	G	A	A	N	R
P00877	453	SACKWS	P	E	L	A	A	A	C
P08427	100	RGLPGF	P	A	Y	L	D	E	E
P08427	168	IAPVPT	P	E	E	N	E	A	I
P08427	195	MIEDQT	P	G	D	F	H	Y	L
P08427	213	NYTNWY	P	G	E	P	R	G	Q
P08427	216	NWYPGE	P	R	G	Q	G	K	E