

Table S9. Phosphorylation sites identified in this study. Number of phosphosites column indicates the number of phosphorylation sites on the peptide. Sequence column indicates phosphorylation site(s) as +80 for unambiguous sites and with an asterisk for ambiguous sites. For ambiguous sites, if the site localization score is close to zero, all potential phosphorylation sites are marked with an asterisk. For a peptide with number of phosphosites =1, two residues marked with an asterisk indicates ambiguity; a single residue marked with an asterisk indicates greater likelihood than other sites. The total number of +80 and ambiguous sites may exceed the number of phosphosites value. Occurrence of phosphopeptides in SwissProt is also indicated. Full details are provided in Table S12.

preyGene	gi	uniprot	Number of phosphosites	Sequence	Peptide in SwissProt
ABC1	6321319	P27697	1	ESIDSDLNSLLMLLT*ASSLLPK	0
ACE2	6323160	P21192	1	LDLIDPLVPS+80PK	1
ADR1	6320422	P07248 Q04919	2	AYNDHLFVSVES+80DETS+80PMNSELDNTK	0
ADR1	6320422	P07248 Q04919	1	ELLMPAVS+80ELNEYLDFK	0
ADR1	6320422	P07248 Q04919	1	ENS*NTFSVIQR	0
ADR1	6320422	P07248 Q04919	1	FQPTPTGT+80PDNGNLFNR	1
ADR1	6320422	P07248 Q04919	1	FSHDSSSEVMDS+80NPNLLSK	1
ADR1	6320422	P07248 Q04919	1	FST*PELVPLDLK	1
ADR1	6320422	P07248 Q04919	1	KAS+80PEANVK	1
ADR1	6320422	P07248 Q04919	1	LPESAINNYTSS*GSPTR	0
ADR1	6320422	P07248 Q04919	1	MNS+80PELPR	0
ADR1	6320422	P07248 Q04919	1	NASFNDADLLSS*YWIK	0
ADR1	6320422	P07248 Q04919	1	SAHFLSDTGLEGINFSGLNDS*HQTVS*TLNLLR	1
ADR1	6320422	P07248 Q04919	2	S*DS*S*GS*TMNLDYK	1
ADR1	6320422	P07248 Q04919	1	SS*SWTVAIDNNSNNK	1
AKL1	6319533	P38080	2	IPS+80QNQVELEEEKES+80QSDQR	1
AKL1	6319533	P38080	1	MNVAYHS*T*NELSDNASNFLEEQQGQGR	1
AKL1	6319533	P38080	1	NEALLIELS*PLKEDAGK	0
AKL1	6319533	P38080	1	QSFQDT*NEPQTGGIEDAGGSGTIK	1
AKL1	6319533	P38080	1	QSLDLNFQEVNLS+80PTLQEHRR	1
AKL1	6319533	P38080	2	S*T*S*YGAATIGS+80DEALANEK	1
AKL1	6319533	P38080	2	T+80PGELYPS+80VSELDYLDK	1
AKL1	6319533	P38080	1	TTSNANSSGTANNPQEINTIGS+80PGIEDK	0
ALK2	6319462	P32789	1	GSAEDESQSFFTSDDS+80PTSK	0
ALK2	6319462	P32789	1	IT*S*HKGS*AEDESQSFFTSDDSPTSK	0
ALK2	6319462	P32789	1	KT+80CQISLPVPDQVSK	0
ALK2	6319462	P32789	1	YFALEVAES+80DDADSSLNSSSMGSPAVDVGR	0
ALY1	6322873	P36117	1	ELTSSQALPLSPITSPILNYQPLS*NSPPDFDFDLAK	1
ALY1	6322873	P36117	1	EVLSSPVLS+80PNVQK	1
ALY1	6322873	P36117	1	NS+80LSSDNLNKNKPVSSDVSHDDSK	1
ALY1	6322873	P36117	1	QNNQHFNIDINQMLGS*S*DEDAFPK	0
ARK1	6324308	P53974	1	ESLT*S*S*SLPGTSFTPTSTK	1
ARK1	6324308	P53974	1	LNSS+80EESFNAR	1
ARK1	6324308	P53974	1	S+80LGSYSTR	1
ARK1	6324308	P53974	1	S*FVNTIDNS+80KDDLKNKPSYEDLDVSK	1
ARP4	6322380	P80428	1	ST*S*PAANSADTPNETGK	1
ASK10	6321534	P48361	1	GNNS+80AGNLTSSSTASR	1
ASK10	6321534	P48361	2	S+80KVN*+80PAIDDYGNLITVER	1
ASK10	6321534	P48361	1	S*S*SYLYSGSSQASLPK	1
ASK10	6321534	P48361	2	S+80T+80SAGNSITANAPVVK	1
ASK10	6321534	P48361	1	TVAADQSATAPSS*FT*MNSSVTTINR	1
ASK10	6321534	P48361	1	VNT+80PAIDDYGNLITVER	1
ASK10	6321534	P48361	1	AEKQYIHQNNNS+80LADFQNGFR	1
ATG1	6321258	P53104	1	DHTTSVNHNLNLMAS+80AGNYTAEK	0
ATG1	6321258	P53104	1	DIKPNLLLS+80TPLIGYHDSK	0
ATG1	6321258	P53104	2	FSQIVPLS*TT*TLKGMANFENR	1
ATG1	6321258	P53104	1	GS*S*EEFPVLEK	0
ATG1	6321258	P53104	2	HASEVAENQTLLEEKGS+80S+80EFPVLEK	1
ATG1	6321258	P53104	1	HPTSTQNNQVLLNEQFS+80PNNQQYFQNGENPR	0
ATG1	6321258	P53104	3	LDNT+80NIVS+80ILES+80LAAK	0
ATG1	6321258	P53104	1	LS+80SSLNPSNALS	1
ATG1	6321258	P53104	1	NS+80NILTAPVK	1
ATG1	6321258	P53104	2	S*MDSNAIAEEQDS+80DDAAEEDETLK	1
ATG1	6321258	P53104	1	SMQVTSNWWYYS+80QEK	0
ATG1	6321258	P53104	4	S+80PNSNLAGHQSS+80MADNPAELS+80DALKNS+80NILTAPVK	0
ATG1	6321258	P53104	1	S+80VEVNS+80LADEVAQAGFNPPIK	0
ATG1	6321258	P53104	1	TLS+80ATSQLS+80ATFNK	1
ATG1	6321258	P53104	1	VVNEDLS+80SYLEEDDLPELESK	0
ATG1	6321258	P53104	1	YHNS+80LVSDR	0
ATG1	6321258	P53104	1	YHS+80VLDENDR	0
ATG19	6324490	P35193 Q6B1A6	1	AGS+80EEIEISPNSNVVSR	0
AVO1	6324494	Q08236	1	VPNYES+80MGLEIYQASK	1
BCK1	6322366	P32894 Q01389	3	ANLDKPIITEGAS+80PT*S*PKS+80LDSLLSPK	1
BCK1	6322366	P32894 Q01389	1	HLT+80TQVLKGLAYLHSK	0
BCK1	6322366	P32894 Q01389	1	KS*S*GGNSVNSLSFDK	0
BCK1	6322366	P32894 Q01389	1	MTRFPS+80PEVYQNLK	0
BCK1	6322366	P32894 Q01389	1	NDNGPS*S*LSDSR	0
BCK1	6322366	P32894 Q01389	1	NNYS+80LFLEYVAGSGVGLIR	1
BCK1	6322366	P32894 Q01389	1	S*AS*PPAS*PS*YPS+80IFR	1
BCK1	6322366	P32894 Q01389	1	S+80ASSLYR	0
BCK1	6322366	P32894 Q01389	2	S*DNS*S*THS*DEIFYDSQTQDK	0
BCK1	6322366	P32894 Q01389	1	S*GTS*S*LIAS*TDVSVITSSSDITSFDEHASGSR	0
BCK1	6322366	P32894 Q01389	1	SKPLPQLLSPIEAS+80SSSPDLTSSYPASTHVLIPQPYK	0
BCK1	6322366	P32894 Q01389	2	S+80LEVIS*TEDTPK	1
BCK1	6322366	P32894 Q01389	2	SNSSTATLVQTADVNIIPS*S*S*PPPIPK	1
BCK1	6322366	P32894 Q01389	1	S+80QEDISNSR	1
BCK1	6322366	P32894 Q01389	1	S*S*GGNSVNSLSFDK	1
BCK1	6322366	P32894 Q01389	1	STS+80ESALSPTK	1
BCK1	6322366	P32894 Q01389	1	TEPSTPSRPVPPDS*S*YEFIQDGLNGK	1
BCK1	6322366	P32894 Q01389	1	FGHQPTS*SVASTK	0
BCK1	6322366	P32894 Q01389	1	HYETNVSS*PLK	0
BCK1	6322366	P32894 Q01389	1	STSESALS+80PTK	0
BCK1	6322366	P32894 Q01389	1	YS*S*QNEAILSTVEALR	0
BCK1	6322366	P32894 Q01389	2	VNSNT+80NFT+80EELNYWNIK	0
BCK2	6321015	P33306	1	YTLVNTGLGLS+80DANLDHFIR	0
BCK2	6321015	P33306	2	DLNS+80LPS+80VTDLPEMDSTTPVNEIFLDGQPQHK	0
BCY1	6322156	P07278	1	NIVLFEPEEESFRSPQS*AQS*QSR	1
BCY1	6322156	P07278	1	SRS*SMFK	1
BCY1	6322156	P07278	2	RT+80S+80VSGETLQPNFDDWTPDHVK	1
BEM2	6321003	P39960	1	SALVTGSYLPIFLNLFNYS+80LFFK	0
BEM2	6321003	P39960	1	YVPOQSLKT+80IFK	0
BMS1	6325039	Q08965	1	DES+80DIEEDVDDDFRR	1
BMS1	6325039	Q08965	1	IYKGFYQEEADADINLPS+80DEEPTNDDVDQDSEPR	1
BOI1	6319386	P38041	1	NEENTHDSLFSSTADLNLSSES+80LK	0
BOI2	6320960	P39969	1	DKDVSDTSL+80PDFDSK	1
BOI2	6320960	P39969	1	TSQS*LEDLPSQNFPIPTPR	0
BUB1	6321627	P41695	1	ETTETDVVPIQT+80PK	0
BUB1	6321627	P41695	2	FLT*S*S*LMTDDKENR	0
BUB1	6321627	P41695	1	GYES+80DKDTFFQSK	0
BUB1	6321627	P41695	1	SGDNTETQTQLTSTTIQS*S*PFLTQPEPQAEK	0
BUD14	41629669	P27637	1	AVS+80SASINSLSGSR	1
BUD14	41629669	P27637	1	DDLEENDDYQPLS+80PPR	0
BUD14	41629669	P27637	1	ENSSSELPSDYDS+80SEFEDNLER	0
BUD14	41629669	P27637	1	FQDSGFQGEKDDLEENDDYQPLS+80PPR	0
BUD14	41629669	P27637	1	SVS+80FNDDVGYADR	1

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BUD14	41629669	P27637	2	NQS+80DAESIPT+80PALNGYGK	1
BUL2	6323525	Q03758	1	IDDITASQS+80PSYDSK	0
BUL2	6323525	Q03758	1	KGS'S'NPPSASSSNNFLQATFSNGASTATK	0
BUL2	6323525	Q03758	1	KPQSTLPIYWS+80PSLLR	0
BUL2	6323525	Q03758	1	LMGLMPEGVKT+80PLTK	0
BUL2	6323525	Q03758	1	S'GGQSLHSSSDTNISQIPFEDDLNDSNIFIDK	0
BUL2	6323525	Q03758	1	SVS+80TEDNIHLR	1
CCL1	6325282	P37366	1	EKS+80TEEEYSIDSAL	0
CDC10	6319847	P25342	1	IYPYDSEELT+80DELELNR	1
CDC11	6322536	P32458	1	LMGS+80SSSTTTR	1
CDC14	14318551	Q00684 Q05180 Q05673	1	DLTMT+80PPSNGHGALSAR	0
CDC14	14318551	Q00684 Q05180 Q05673	1	VVIENSNS+80DDESMQDTNGTNSNHYPK	1
CDC14	14318551	Q00684 Q05180 Q05673	1	TTSAAGGIRK	0
CDC24	6319276	P11433	1	TTSSS'FESEIK	1
CDC25	6323341	P04821	1	NVST'S'TDILTTPMR	1
CDC25	6323341	P04821	2	RSS'LNS+80LGNAYLHVPR	1
CDC28	6319636	P00546	1	APEVLLGGKQYS'T'GVDTWSIGCIFAEMCNR	0
CDC28	6319636	P00546	1	AYT+80HEIVTLWYR	1
CDC3	6323346	P32457 Q06161	1	QLELSINSASPWNHS+80PVPTK	0
CDC3	6323346	P32457 Q06161	2	LFS+80S+80LPYAVIGSNDIVENYSGNQVR	0
CDC31	6324831	P06704	1	AFQLFDDHT+80GK	0
CDC31	6324831	P06704	1	ELGET+80LTDEELR	0
CDC31	6324831	P06704	1	S'S'LQSGPLNSELEEQK	1
CDC4	14318513	P07834	2	AAGS+80GES'T'PERSDFK	0
CDC4	14318513	P07834	1	VSGGJAS'S'GSV'TALVTAAGTHRNS'S'T'AK	1
CDC5	6323643	P32562	1	GTFPPSIPSTMSEAPNFIDEPEEQS+80LVNFK	0
CDC7	6320187	P06243	1	MS+80IEPQLPDK	0
CDC7	6320187	P06243	1	TPFFNELNENTYLLDGE'S'T'DEDDVVSSEADLLDK	0
CHK1	6319751	P38147	1	AS'FS'GDDGLCNDPELLAK	0
CHK1	6319751	P38147	1	GS+80PPYMAPEVLYSEEGYADR	0
CK11	6323162	P20485	1	RAS'AT'DVT'DSLGSTSSEYIEIPVK	1
CK11	6323162	P20485	2	TIS+80IESDVSNI+80DDDLR	0
CLA4	6324031	P48562	1	ISDNDFQNIQAPRPPSS'NS'QGR	1
CLA4	6324031	P48562	1	NDQSTPQT+80MR	1
CLA4	6324031	P48562	1	NGHS+80PTNGQFPR	0
CLA4	6324031	P48562	1	NSVSSGS'SSSLNVSSDSNSK	1
CLA4	6324031	P48562	1	QPQS+80PLSSSQSTQQAIPR	1
CLA4	6324031	P48562	1	YAQNS+80SPTAAHFQQR	1
CLB3	6320046	P24870	1	LDANS+80VAQR	0
CLB3	6320046	P24870	1	MHHNSQS+80LSSGHIR	0
CLB3	6320046	P24870	1	S+80PEDENVAPIGNLK	0
CLB3	6320046	P24870	1	TGS+80LSHISSAHPR	0
CLB3	6320046	P24870	1	VALSDVTNIVATNS'S'NNSISKPK	0
CLB4	6323239	P24871	1	HEDSDYFLIDSEGS'S'T'DDEQVNEIDAIDLLSR	0
CLB5	6325377	P30283	1	TAAEQEEEEEEEEGEDDDAAS+80IVNK	1
CLG1	6321223	P35190	1	QNQLKPAVAVPTLLS+80'P'VNVGDTR	0
CLN1	6323855	P20437	2	SQSSDDSDATVEEHISSS'PQS'T'GLDGDITTMDEEELNSK	0
CLN1	6323855	P20437	1	YFDQNASSSSVSS+80PSTYSSTNYTPMR	0
CLN2	6324999	P20438	1	IYEITGPNSS+80NNATNDYIDLNLNESNK	0
CLN2	6324999	P20438	1	NMSSLSDNS+80VFSR	0
CLN2	6324999	P20438	2	RQS+80QLS+80QSDATVDERPYQNEEEEEEDLK	0
CLN2	6324999	P20438	1	TSFINHGMPFS+80PTGTINSQK	0
CMK1	14318536	P27466	1	DLYLEQT'ES'DSDFDEGSQANGSVPLK	0
CMK1	14318536	P27466	1	VCS+80SDSLPQSDIK	1
CMK2	6324557	P22517	1	S+80ALTKDAFVQIVK	0
CMF2	6323583	P14747	1	AS+80T+80VAAANSATATSTR	0
CMF2	6323583	P14747	1	SEATPQPATSAS+80PK	1
CMF2	6323583	P14747	1	TERPQSSST'PIDSK	1
CNA1	6323465	P23287	1	DGSEFDQS+80EDEFVPSNLR	0
CRZ1	6324301	P53968	1	DNES'YSATNNNLLRPDDNDYNEALSDDIR	0
CRZ1	6324301	P53968	1	NDIDDNS+80AYR	0
CSR2	6325287	Q12734	1	DALSSFFGTGNS'PTSSMDDYSNLMNR	0
CSR2	6325287	Q12734	1	NS+80P'YTTIDQLHTR	0
CSR2	6325287	Q12734	1	RES+80DPVAAK	0
CTK1	6322710	Q03957	1	YNDT+80SFQTSR	0
CTK3	6323524	P46963 Q6LBS6	1	DSITSSST'T'T'PPSSQOK	1
CYR1	6322455	P08678	1	S'S'IDADELPMSPGPPSK	1
DAL81	6322214	P21657	1	VNNSTNVNSNTQMNAS+80PLTSINETR	0
DBF2	6321529	P22204	1	EINYANS+80MVGSPDYMALEVLEK	0
DBF2	6321529	P22204	1	NVDLLAGNMSNLS'FDHGHTPGGTGLFPNQNTK	0
DBF20	6325368	P32326 Q06105	1	ISLNHS+80PK	1
DIG1	6325208	Q03063	1	DGNLASS+80NSAHFPPVANQNVK	1
DIG1	6325208	Q03063	1	SASTS'S'TSTNTR	1
DIG1	6325208	Q03063	1	TSQPQQS+80PSLLQGEIR	1
DIG1	6325208	Q03063	2	NS+80PGQNS+80VQGESELEHVPEEDSDGDK	0
DIG1	6325208	Q03063	2	NS+80S+80VSSANAGPTQQR	1
DIG1	6325208	Q03063	2	SEEGS'RNS'S'VSSANAGPTQQR	1
DIG1	6325208	Q03063	3	VNDSYDS+80PLS+80GTAS'TGK	1
DIG2	6320688	Q03373	1	EEDHSQKPTT'T'S'PAEK	1
DIG2	6320688	Q03373	1	IIGEIS+80LYDDVFK	1
DIG2	6320688	Q03373	1	NS+80LSEGLNDDADDNDKER	0
DUN1	6320102	P39009	1	EHS+80GDVTDSSFK	1
DUN1	6320102	P39009	1	YASSS'STDIENDEK	1
EAF1	42742058	Q06337 Q6S6F6	1	AQS+80PNSQK	1
EAF1	42742058	Q06337 Q6S6F6	1	IKS+80PTQEILQR	1
EAF1	42742058	Q06337 Q6S6F6	1	NDS+80DISIAGK	0
EAF1	42742058	Q06337 Q6S6F6	1	SDFDFADGLLS+80QEGAHQIISIDTK	0
EAF7	6324193	P53911	1	ELPEYHTEENDS+80PIDVQK	1
EDE1	6319424	P34216	1	SQS'LTSSVANNAQPSVR	1
ERG12	6323864	P07277	1	WS+80INDFNATEDQVNSQK	0
FAR1	6322304	P21268	2	LSNSNQFEAVSYLDS+80PFLNS+80PFVVK	0
FAR1	6322304	P21268	1	MATTDPPDLS+80DDEK	0
FAR1	6322304	P21268	2	S'FT'GEFPQFT+80PQEQLR	1
FAR1	6322304	P21268	1	TGQLSALQS+80PVNITSSNK	1
FAR1	6322304	P21268	1	SFTGEFPQFT+80PQEQLR	1
FIN1	6320335	Q03898	1	IQNSDHITNIIFPTS+80PTK	1
FMP48	6321489	P53233	1	APETFS+80GR	0
FMP48	6321489	P53233	1	S+80IQSGTFSTVYK	0
FMP48	6321489	P53233	2	SQGSFS+80SPLIQIDMQK	0
FPR3	6323566	P38911	1	RNPFDEDDFLGGDFDEDEIDES+80S+80EEEEEEK	1
FPR4	6323482	Q06205	2	GEYVYNDQNDNGLLEIDES+80ES+80EQEADVPKR	1
FUS3	6319455	P16892	1	IDESAADNSEPTGQSQGMT+80EYVATR	1
GAL11	6324522	P19659 Q08221	1	IKVDS+80PDDPFMTK	1
GAL3	6320865	Q04739	1	HSADSTNEASLAYTFS'QMNVDNPNLELPQHLR	1
GAL3	6320865	Q04739	3	DAS+80MLDVS+80DAAS'NT'TINGK	1
GCN2	6320489	P15442	1	ES+80SKIQNVPR	1
GCN2	6320489	P15442	1	LDSQNLPGS'S'DNLTSAIGTAMYVATEVLDTGTHYNEK	1
GCN2	6320489	P15442	1	RPQART+80LLNSGWLVPJK	1
GCN2	6320489	P15442	2	TNHLDNSNWFISGSGYPDIVFENS+80S+80R	0
GCN2	6320489	P15442	2	WDENS'S'AGS'S'QEGDIDDVAGSTNNQK	0
GIN4	6320715	Q12263	1	AVFNTGNVSGTIVGS'T'T'PDALPYGIER	0
GIN4	6320715	Q12263	1	ES+80FTNLVDILK	0
GIN4	6320715	Q12263	1	FTASSASSNLT+80PGSSK	0
GIN4	6320715	Q12263	2	LDPGIMFSSPT+80EEVS+80PVEPK	0
GIN4	6320715	Q12263	1	LSTVNWSS+80TPASR	1

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GIN4	6320715	Q12263	1	MEYPSIAPQRLS+80EER	0
GIN4	6320715	Q12263	1	QIEIDIS+80LEQLSK	0
GIN4	6320715	Q12263	1	SADSEFLFETVNEEAETGNSS+80NDER	0
GIN4	6320715	Q12263	1	VVS+80DSNDGYESLILPK	0
GIP3	6325121	Q03016	1	NDGNT+80SASDNDNPLLPINSNGNR	1
GIP3	6325121	Q03016	2	S+80DS+80ADINPATVDAIDLINDDNGSSSTQFVR	0
GIP3	6325121	Q03016	1	YQDGHG+80IENNEVTLDVIYTR	0
GIS4	6323637	Q04233	1	REDES+80QDQDEVDHYSR	0
GLC7	6320980	P32598	1	MDS+80QFPVDVNIIDR	1
GLC8	6323971	P41818	1	NPLALS+80PEQLAQDQPETLEEFR	1
GSY1	14318537	P23337	1	TNSFTVEALKS+QAIWK	1
GSY2	6323287	P27472	2	VARPLS+80VPGS+80PR	1
GUK1	6320662	P15454	1	RLS+80AAQAELAYETGAHDK	1
HF1	6325001	O00039 Q02813 Q12060	1	DDIGDIMSMS+80TK	1
HIS4	10383761	P00815	1	LQDAPEES+80YTR	1
HOG1	6323142	P32485 Q06232 Q12294	1	IQDPQMIT+80GYVSTR	1
HRK1	6324841	Q07224 Q08732	1	ATLDDIFNDEWFIAIAIACT+80MDSK	0
HRK1	6324841	Q07224 Q08732	1	FLNHS+80DCSAINQQQPAHESNLK	1
HRK1	6324841	Q07224 Q08732	1	SDNKPDIVEET+80EENKEDDSNNDK	1
HRK1	6324841	Q07224 Q08732	1	TVQNGVNPITAS+80IGGK	1
HRR25	6325052	P29295	3	GDLNANSNAAS+AS+NS+TDNKS+80ETFNK	0
HRR25	6325052	P29295	1	Q-17QTLINNNAAS+80LPEELNALDK	0
HSL1	6322748	A2NP40 P34244	1	LDNKIS+80EESLQLVLPVVEK	1
HSL1	6322748	A2NP40 P34244	1	SNSLDHLNNVSPS+80IVT+80LHSK	0
HSL7	6319610	AZNP39 P38274	1	FLENVS+S+HS+PELPSNYDVLPIITPR	0
IME2	6322355	P32581	1	NPYT+80AYVSTR	0
IML1	6322598	P47170	1	S+80ADNQNTSLALDSLK	1
INP53	6324683	Q12271	1	E-18KS+80PTPQTSTASLSSVTK	1
INP53	6324683	Q12271	1	QEHPEEPGSLISDLS+80LDLDNK	1
INP53	6324683	Q12271	1	SSSESSLIDIPMAGPTASSVAS+S+PVSSASASLQPVV	1
INP53	6324683	Q12271	1	STSNLAS+80PMSSK	1
INP53	6324683	Q12271	1	SVS+80APAPSTSK	1
IRE1	6321870	P32361	1	DNDDAEDEDKES+80LDLTTEK	0
IRE1	6321870	P32361	1	HTVVS+S+DSFYDPFTK	0
IRE1	6321870	P32361	1	TNLNNS+80TSGWFR	0
ISR1	6325363	Q06098	1	SNFAYSILVS+80PVEEPTAK	0
ITR1	6320705	P30605	1	TS+QSNVGDVAVGNADSVFNFSEHDSPSK	0
JIP4	37362637	Q03361 Q66RD2	1	SKPSS+PTATDINSASASR	0
KCC4	10383767	P25389 P87005 Q8NKJ8	1	DKNPNQS+80PISK	1
KCC4	10383767	P25389 P87005 Q8NKJ8	1	EDDLPQPGSTDNES+80RS+80EDPEIAESITDSR	1
KCC4	10383767	P25389 P87005 Q8NKJ8	1	GGLS+80PGKSELAPIESPIVSTTPLYNDR	0
KCC4	10383767	P25389 P87005 Q8NKJ8	2	IAAS+80LS+80DDDLKEDNDK	0
KCC4	10383767	P25389 P87005 Q8NKJ8	2	INEDEFGS+80EVS+80DGMK	0
KCC4	10383767	P25389 P87005 Q8NKJ8	1	LFPLS+S+FGK	0
KCC4	10383767	P25389 P87005 Q8NKJ8	1	NIQYDEDDDS+80K	0
KCC4	10383767	P25389 P87005 Q8NKJ8	1	RIS+80DVEVPHFTR	0
KCC4	10383767	P25389 P87005 Q8NKJ8	3	S+80EDPEIAES+80ITDS+80R	1
KCC4	10383767	P25389 P87005 Q8NKJ8	1	SELAPIES+80PIVSTTPLYNDR	0
KCC4	10383767	P25389 P87005 Q8NKJ8	1	S+LS+NFNLIDDDWYIEK	0
KCC4	10383767	P25389 P87005 Q8NKJ8	2	SSFLSSNPT+80DS+S+PIPLR	0
KCC4	10383767	P25389 P87005 Q8NKJ8	1	S+S+TLSSSSLLLNRR	1
KCC4	10383767	P25389 P87005 Q8NKJ8	2	VS+S+PLINFEFS+80QELLQDITLLNTR	0
KCC4	10383767	P25389 P87005 Q8NKJ8	2	VTPSLTS+80NNS+S+VGENIEDGAEK	0
KEL1	6321952	P38853	1	HNES+SELGNNTEIDK	1
KEL1	6321952	P38853	1	IDS+TTTFDQINGDK	1
KEL1	6321952	P38853	1	MEHSSL+80QDVLVK	1
KEL1	6321952	P38853	1	NGNLDLATPVT+PTSHQTK	1
KEL1	6321952	P38853	1	NVS+80PMGDVPTDTK	0
KEL1	6321952	P38853	1	SDTAGHDS+80ANHVIDASDEK	0
KEL1	6321952	P38853	1	TFS+80DASISDQSR	1
KEL1	6321952	P38853	2	NNS+80PILETLPSNEIKT+80PQNGNIEEIK	1
KEL2	6321677	P50090	1	GISGASTALPWS+80PEFK	0
KIC1	6321894	P38692	1	DDFIPS+80ISNEVNGNINNNK	0
KIC1	6321894	P38692	1	SISLSNAGNS+SRDFIPISISNEVNGNINNNK	0
KIN1	6320327	P13185 Q04606	1	ELT+80DEEILQEASR	1
KIN1	6320327	P13185 Q04606	1	EMEYALS+80PTPQGNQYQQFR	0
KIN1	6320327	P13185 Q04606	1	HSGTS+80LENIHQQGDGSEGMTTTEK	0
KIN1	6320327	P13185 Q04606	1	KT+S+ITETYGDDK	1
KIN1	6320327	P13185 Q04606	1	S+80PQQQQQNTPLMPADIK	0
KIN1	6320327	P13185 Q04606	1	S+S+SQGMFK	0
KIN1	6320327	P13185 Q04606	1	YMRPMPSSAYPQELIDTGFLES+S+ODDNK	0
KIN2	6323125	P13186 Q12384	1	AMDLNQS+80LDSQLSSSYHSTASSASR	0
KIN2	6323125	P13186 Q12384	2	GGG+80LS+80PTPEAFNDTR	1
KIN2	6323125	P13186 Q12384	1	LQINDNDNNVNAVVDGINNDNS+80DHYLSVPK	0
KIN2	6323125	P13186 Q12384	1	LTIPEQAHT+S+PTSR	1
KIN2	6323125	P13186 Q12384	1	LTSVYS+80QELTEK	1
KIN2	6323125	P13186 Q12384	1	NES+80EILER	1
KIN2	6323125	P13186 Q12384	1	Q-17HSLPS+80PK	1
KIN2	6323125	P13186 Q12384	1	SAS+80PVVGEHQEK	1
KIN2	6323125	P13186 Q12384	1	VALNNS+80PDIMTK	0
KIN2	6323125	P13186 Q12384	1	AQNINNVNQTEQNTS+S+GIK	0
KIN2	6323125	P13186 Q12384	1	FTRPPPALPPS+DMIT+NDNGFLGEANK	0
KIN2	6323125	P13186 Q12384	1	S+80ASPVVGEHQEK	1
KIN2	6323125	P13186 Q12384	1	TISDYPS+80AR	1
KIN28	6320095	P06242	1	AIPAPHEILT+80SNVSTR	0
KIN3	6319327	P22209	1	GSPMDYS+80QVVVK	0
KIN3	6319327	P22209	2	S+80EYQVLEEIGRGS+80FGSVR	0
KIN3	6319327	P22209	1	S+80PQQQGHPPRSEYQVLEEIGR	0
KIN4	6324807	Q01919	1	DRNS+80LIIESTLEQHR	1
KIN82	10383810	P25341	2	ISENGSAS+80PLANLSLNSNS+80PIDSFR	0
KIN82	10383810	P25341	1	KDQIPMINIT+80PR	0
KIN82	10383810	P25341	2	NLS+80NGS+80LDINENELQNFHR	0
KIN82	10383810	P25341	1	QPS+80LGDIVEPR	0
KIN82	10383810	P25341	1	T+NSFYGTTEEYLAPEVIR	1
KKO8	99030927	P36004	1	DSS+80PINVTR	1
KKO8	99030927	P36004	2	SHPDEES+80LES+80LPR	1
KKO8	99030927	P36004	1	S+S+GEEQETVNSLPEYK	1
KNS1	6323009	P32350 Q12399	2	AVNLT+IAHS+TS+PFSNPPAQIASLPQSNLK	0
KNS1	6323009	P32350 Q12399	1	DGHVYQENDIFGS+80GGRFVVK	0
KNS1	6323009	P32350 Q12399	1	FT+80SNGSSESASSNK	0
KNS1	6323009	P32350 Q12399	1	IINTINNS+NNHNSRR	1
KNS1	6323009	P32350 Q12399	1	ILQT+80ILNNDPQGFQFQCLLLR	0
KNS1	6323009	P32350 Q12399	1	INGT+80FFPTDIIDK	1
KNS1	6323009	P32350 Q12399	1	KFT+S+NGSSESASSNK	1
KNS1	6323009	P32350 Q12399	1	LGNS+80PSDLNSTVK	0
KNS1	6323009	P32350 Q12399	2	T+80IS+80LQLPLSKR	0
KSP1	6321874	P38691	2	DFFT+80PPS+80VQHR	1
KSP1	6321874	P38691	1	GSTTTVQHS+80PGAYIPPNAR	0
KSP1	6321874	P38691	2	HENENGNASSNNGS+80S+80R	1
KSP1	6321874	P38691	1	KT+S+IQDEMIVGS+80LEQYK	0
KSP1	6321874	P38691	2	LEDGQYDGPQDDENDCCDS+80S+80CDDDEDTKVDTR	0
KSP1	6321874	P38691	1	LS+S+S+GAK	1
KSP1	6321874	P38691	2	MEGGDNES+SSTS+80PDER	1
KSP1	6321874	P38691	1	NHHS+80PTNQFLR	1
KSP1	6321874	P38691	1	NHSSTIALQNEQVFDASNDAIIFEDEEYEGES+80DK	0

preyGene	gi	uniprot	Number of phosphosites	Sequence	Peptide in SwissProt
KSP1	6321874	P38691	1	S+80DVSNQNNVAGSGFFK	1
KSP1	6321874	P38691	1	S+80FNLTGQVPPFMMNK	1
KSP1	6321874	P38691	2	S+80PAS*S*EAHLNLSGGPIDILPTGNIGNR	0
KSP1	6321874	P38691	1	TSIQDEMVGVS+80LEQYK	1
KSS1	6321477	P14681 Q45U43	1	ETLVGFMT+80EYVATR	1
KSS1	6321477	P14681 Q45U43	1	LVDLIGEGAYGT+80VCSAIHKPSGIK	0
LCB4	6324745	Q12246	1	VES+80GLFVSDGEK	0
LCB4	6324745	Q12246	2	VSPDVS+80QDVS+80PSLGIK	0
LIF1	6321348	P53150	1	LSDDDVLSALINTEVQKPISELNS+80PGK	1
MAK5	6319618	P38112	1	AADELGIDVDS+80DEDDISK	1
MCD1	6320201	Q05325 Q12158	1	NDQNNDDDDNS+80VEQGR	1
MCD1	6320201	Q05325 Q12158	1	S+80NNLLTPQPTNFTTK	1
MCD1	6320201	Q05325 Q12158	1	VQGAAPVWDS+80LEVGR	1
MCK1	6324022	P21965	1	GSEFIADVDT+80SNK	1
MCK1	6324022	P21965	1	LEHNQPSIS+80YICSR	1
MDS3	6321241	P53094	1	NNDEEDDEDVPS+80PKPVSK	1
MDS3	6321241	P53094	1	T*S*VSEAQNTQPQVANADAK	1
MIH1	6323679	P23748	1	DSHQ+80STTMASALSFR	0
MIH1	6323679	P23748	1	FSNITQNTLNFTSAS*S*SLAPNSVGVK	0
MIH1	6323679	P23748	2	GNHQQVS+80GDEEQDGFDFVGS+80DR	0
MIH1	6323679	P23748	1	LAS+80PSNPNFFYR	1
MIH1	6323679	P23748	1	RVSSGS*SLNSSESTGDEFFPILSK	0
MIH1	6323679	P23748	2	S*S*MS*S*NSLSTSHMLLDGLDTPSYFSEFEDER	0
MIH1	6323679	P23748	2	VSSGSSLNS*ES*TDGDNFFPILSK	0
MKK1	6324805	P32490 Q2VQW6	1	NDLSNS*VGS*DFS*NLISAYEQSSSPIK	1
MKK1	6324805	P32490 Q2VQW6	2	S*S*SES+80YIDLNSFR	0
MKK1	6324805	P32490 Q2VQW6	1	VIAENELSGNSDLTPSSMAS+80PFSHTNTSSPYLR	1
MKK1	6324805	P32490 Q2VQW6	1	DEPESNIWVS+80PSFK	0
MKK2	6325117	P32491	1	DLDTPEGEDSYPS+80TLLSAYDFSSSGSNAPLANNIISCSNLIQGK	0
MKK2	6325117	P32491	1	FGLHKDEIT*TLGILGEGAGGSVAK	0
MKS1	6324253	P34072 Q02533	1	HVS+80PTPQSSHSHNIGPQPCQNPSPANGIK	0
MKS1	6324253	P34072 Q02533	1	LDNTSIANS+80NGNGNDDTNSQR	0
MKS1	6324253	P34072 Q02533	1	NDQNGQLSLS+80K	0
MKS1	6324253	P34072 Q02533	1	ST*TSGLFSNFADK	1
MNR2	6322786	P35724	1	SLVSDLS+80PSELESWLK	0
MOB1	6681848	P40484	2	MS+80PVLTT+80PK	1
MOB1	6681848	P40484	1	WNTANAANNAGSVS+80PTK	1
MPS1	6320176	P54199	2	AMT*LT*NIFDEDFVPS+80PNQPINAR	0
MPS1	6320176	P54199	3	DNS+80IT*S*NGS+80QPR	0
MPS1	6320176	P54199	3	ENIDTS+80NNS+80NFS+80PIHK	0
MPS1	6320176	P54199	1	ETQIGTPNYMAPEALVAMNYT*QNSENQHEGNK	0
MPS1	6320176	P54199	1	HNLP+80SDLPLISQYFDK	0
MPS1	6320176	P54199	1	IDFGIANAVPEHT+80VNIR	0
MPS1	6320176	P54199	1	KHNLP+80SDLPLISQYFDK	0
MPS1	6320176	P54199	1	LSNFGS+80ALLSHTEK	0
MPS1	6320176	P54199	1	NIS+80INANHADNLLQENK	0
MPS1	6320176	P54199	2	NNHQSTMNTMT+80S+80DIEINVGNLTK	0
MPS1	6320176	P54199	2	FS+80DDEEFTT+80PPK	0
MPS1	6320176	P54199	1	SHPPPSMGNLTSGHTSTSS*HS*TLFGR	0
MPS1	6320176	P54199	1	S+80LDDAITNENINSK	0
MPS1	6320176	P54199	2	S*S*S*S*LS+80SNLLANK	0
MPS1	6320176	P54199	2	TSAS+80EILS*S*HNNDK	0
MPS1	6320176	P54199	1	VSFDAFDSS+80SIDGFK	0
MPS1	6320176	P54199	2	VS*TS*GS*S*S*KS*S*IEIR	0
MPS1	6320176	P54199	1	YGSEKPHISQDDLNDVD+80VLR	0
MRK1	6320124	P50873 Q07470	1	EGIADVHIEHANISDS+80KTGDK	0
MSG5	6324275	P38590	1	NSPGEGETVHMPEEDDIGNNEVSS*TTTK	0
MSG5	6324275	P38590	1	SFPMVNLSSS+80PNDSVNSSEVTPR	1
MSG5	6324275	P38590	1	SQT*ISGLETS*PISSSTR	1
MSG5	6324275	P38590	1	TDIDFKPNS+80PR	1
MSS4	6320414	P38994	1	AKEDDLQLADTAS+80IEEQPQTQGPPIR	1
MSS4	6320414	P38994	1	EDDLQLADTAS+80IEEQPQTQGPPIR	1
MSS4	6320414	P38994	1	HS+80QILPMDDSDVIK	0
MSS4	6320414	P38994	1	ISAVTAT*S*TTIK	1
MSS4	6320414	P38994	2	ISHS+80MIS+80LPLHPLPQPSQK	1
MSS4	6320414	P38994	1	LS+80DGESSTPTSIEELNPTINNSR	0
MSS4	6320414	P38994	1	NNHTSYHSSNS+80ESNMESPR	0
MSS4	6320414	P38994	1	RNT+80QDSNLPNIFHASK	1
MSS4	6320414	P38994	1	SES+80ATAEIK	0
NAP1	6322901	P25293 P87196	1	AQNSD+80EEEQVK	1
NAP1	6322901	P25293 P87196	1	LGS+80LVGQDSGYVGGLPK	1
NAP1	6322901	P25293 P87196	1	QGEIVESLNELTELLVEEKAQNSD+80EEEQVK	1
NAP1	6322901	P25293 P87196	3	SSMQIDNAPT+80PHNT+80PAS+80VLPNPSYLK	1
NET1	6322385	P47035	3	INAT+80PKIPVQLMDMSS*PPS+80VK	1
NET1	6322385	P47035	1	IVSNNS+80DDEDEDIGER	1
NET1	6322385	P47035	3	S+80AANGGEDLNKK	0
NET1	6322385	P47035	1	S+80QS+80SIADNNGS+80PVK	1
NET1	6322385	P47035	1	VETKPAQTASSFPVVGGS+80PSVATK	1
NET1	6322385	P47035	1	KSS+80LETIVEK	1
NET1	6322385	P47035	1	SANVS+80FTPSYFNQSR	0
NET1	6322385	P47035	1	SFLPPPTQPQS+80PPIR	1
NET1	6322385	P47035	2	VRPS+80LSS*LSLVSFR	1
NGG1	6320381	P32494	1	GVQS+80PPKPPPSNEISGTIENDVESIK	1
NOP12	6324532	Q08208	1	LFGTNPPIAE TEES+80GNEKEEESSK	1
NPR1	6324146	P22211	1	AIPSLSSS+80PYSVPNSNK	1
NPR1	6324146	P22211	2	ANVPVPGSVTTVQIYS*EEDS*S*S*TS*AGS*S*LDDR	0
NPR1	6324146	P22211	1	ASMDSNNANATQS+80R	1
NPR1	6324146	P22211	1	DCDS+80LSSLVTR	0
NPR1	6324146	P22211	2	DNNS*S*NS*NS*S*LS*SSWLEYTAGMGNNSAIDSNVSSPK	0
NPR1	6324146	P22211	2	FGSLINDQGTAGLS+80S+80HGGSFQAQNR	1
NPR1	6324146	P22211	2	KIT*S*EYCGIT*TLNHPNIIETIEIVYENDR	0
NPR1	6324146	P22211	3	QPT+80GSYTDNFYGSFS+80SVHDLHPPS+80QSVPR	0
NPR1	6324146	P22211	2	S*GS*FS*S*QLGNFFFSK	1
NPR1	6324146	P22211	1	SQHS*S*IGDLK	1
NPR1	6324146	P22211	1	S*S*S*HIGS*VNS*SSSDR	1
NPR1	6324146	P22211	1	TS*ADTLTT*PESQSLDLHRS	1
NUP159	6322076	P39923 Q6B264	1	SLGSGDQDS*PS*FSVR	1
NUP159	6322076	P40477	1	DGYVS+80GSEISVR	1
OCA1	6324230	P50946 Q45U02	1	LPETPS+80DEGVEVEEEAQQ	1
OCA1	6324230	P50946 Q45U02	1	LTEENVVS+80VPEEVEDEEEDDDHHIYNEETESGR	0
PAM1	6320457	P37304 Q03789	2	SGQPS+80PVNFPFLNLK	0
PAM1	6320457	P37304 Q03789	1	S+80S+80VMPNIGYVPLGTNNEYGR	0
PAN1	6322196	P32521	1	VQINITQPS+80PIQTNFATSDNPAVVK	1
PBS2	6322333	P08018	1	QIEDAQNES+80DEEETNGK	1
PBS2	6322333	P08018	1	SAS*VGSNGSEQDK	1
PBS2	6322333	P08018	1	TAQQPQQFAPS+80PSNKK	1
PCL1	6324040	P24867	2	TSS+80TSSHYNNINADLHAR	1
PCL10	6321304	P53124	3	VVPSNNYPT+80PPGS+80PGEK	0
PCL6	6320901	P40038	1	FLQS+80ENFS+80DLTSEWQDS+80R	0
PCL6	6320901	P40038	1	GDS+80PSSNASSSPK	0
PCL6	6320901	P40038	1	HES+80PSNESSLDK	0
PCL6	6320901	P40038	1	MSACNSNENENNDDSDENT*GVQR	1
PCL6	6320901	P40038	2	STYS+80IQS+80DDKANLGSNVDIR	1
PCL7	6322139	P40186	1	YLS+80PVLGFR	0
PCL7	6322139	P40186	1	DNLIGPHSHS+80FK	0

preyGene	gi	uniprot	Number of phosphosites	Sequence	Peptide in SwissProt
PCL7	6322139	P40186	2	ISTNPS+80LES+80PFSSK	1
PCL7	6322139	P40186	1	TTTS+80FINIPGGNR	1
PCL8	6325037	Q08966 Q6B153	1	VNSFNSELLS*GS*GKLPGR	0
PET309	6323096	P32522	1	SVGS+80GLTK	0
PHO81	6321672	P17442 Q06887	1	LTQDNGIIMSS*SPGR	0
PHO81	6321672	P17442 Q06887	1	RADIQSSTFT+80NDDDDDDNNTSNNNK	0
PHO81	6321672	P17442 Q06887	2	LNTIDLT+80PNDDKFDLDIQDS+80IPDFALPPPPIPLR	0
PIG2	6322144	P40187	1	LGEEDIEISPLSHDNFYQSEENGNPS+80PPPIYK	0
PIG2	6322144	P40187	2	LSDDDS+80DIENDNDS+80DDAIRN	0
PK1	6324062	P39104	1	TS*S*ASSASLEGTPK	1
PK4	6319420	P34217	1	S+80LSGLDLQGNK	1
PKC1	6319363	P24583	1	DMNS+80ETFQIEQDHASK	1
PKC1	6319363	P24583	1	FIDENEAYLNFTGAQQTAES*S*PEK	0
PKC1	6319363	P24583	1	KVS+80LDFVLLK	0
PKC1	6319363	P24583	1	SLGLTDLSEHSQT*WESK	0
PKC1	6319363	P24583	1	SPEDTSYFEQEFTSAPPTLT+80PLPSVLTSQQEEFR	1
PKC1	6319363	P24583	1	T*S*TFCGTFEFMAFEILK	1
PKC1	6319363	P24583	1	TVPSAQLGSSIGTANGSDLS+80PSK	1
PKH1	6320698	Q03407	1	ASVSS+80PSISTSR	1
PKH1	6320698	Q03407	1	S+80FVGTAEYVSPPELLNDNYTDSR	1
PKH2	6324472	Q12236	1	DNS+80MS+80PRPLLPSPDEQK	1
PKH2	6324472	Q12236	1	HNS+80FSESINSAK	1
PKH2	6324472	Q12236	1	NST*DFSLMKN	0
PKH2	6324472	Q12236	1	RT+80PSCAASAALAASAALTK	1
PKH2	6324472	Q12236	1	SPS+80PKPR	1
PKH2	6324472	Q12236	1	THSQS+80PSISK	1
PKH2	6324472	Q12236	1	TLDNIAGS+80PHMEK	1
PKH2	6324472	Q12236	1	T+80PSCAASAALAASAALTK	1
PKH2	6324472	Q12236	1	T*S*TESKPFAK	0
PKH2	6324472	Q12236	1	VPMPPTYPYPPMS+80PMTPTDYQMTPPYTK	0
PKH3	6320674	Q03306	1	QPT*PS*PLPQMEFTTR	1
PKH3	6320674	Q03306	1	VLS*S*NNAGETPK	1
PMD1	6320979	P32634	1	DS*HNS*IGS*IAFFPSNSGVQNI	1
PMD1	6320979	P32634	1	FSQAPSTQIS+80PR	1
PMD1	6320979	P32634	1	Q-17HS+80DVATPK	0
PMD1	6320979	P32634	1	RLS*YISNPESVESTSNNAIELEPLTTPR	0
PMD1	6320979	P32634	1	TS+80VTDFTASQQR	1
PMD1	6320979	P32634	2	RS*S*LAEYVQFGR	0
PH22	6320013	P23595	1	ARS+80NEDTDEELEDNFNFKPGSSGIADHK	1
PH22	6320013	P23595	1	SNEDDT+80DEELEDNFNFKPGSSGIADHK	1
PO1	6325078	P32945	1	AGSFGAPS*S*PTSGIPNPK	1
PO1	6325078	P32945	1	RAS+80NDNLIPGENAHK	1
PO1	6325078	P32945	1	RYS+80HDTSSNEGLDIDVAIEK	0
PZ2	6320644	P33329	1	GTSPIPLNIDKPS+80PSASSASK	1
PZ2	6320644	P33329	1	IYVSPFS+80PTGDFVHGSCADGDNISR	1
PZ2	6320644	P33329	1	NSTSMHSTSSFNSENALTDDDDRGDDGGES+80PSMAK	0
PZ2	6320644	P33329	1	SNNAPIT+80PPNHYLTHSPSSSR	0
PRK1	6322096	P40494 Q02553	1	HGFT+80GNSVNNRSR	1
PRK1	6322096	P40494 Q02553	1	S+80MPELSTLPVNDIFDR	0
PRK1	6322096	P40494 Q02553	2	S+80VESFQS+80PQR	1
PRK1	6322096	P40494 Q02553	1	S+80VPLSDEFASLYK	1
PRK1	6322096	P40494 Q02553	1	TEVTAHAGLQVGS*HNSLT*SPLMK	1
PRK1	6322096	P40494 Q02553	1	VIT+80GESR	1
PRK1	6322096	P40494 Q02553	1	VSAINRPNHYVDSSETIDINMAVPLNKLSPITTS*SK	1
PRP43	6321318	P53131	2	RFS+80S+80EHPDPVETISEQAAEIAEELSK	1
PRR1	6322733	P28708	1	VVSELIAPANLS+80PQR	0
PRR1	6322733	P28708	1	VVS+80LPTVTEALVNDSDVSDNYTK	1
PRR2	6319987	Q12310	1	ET*TS*SPVS*TS*GSFLMIENEDSDR	0
PRR2	6319987	Q12310	1	IDS+80NISSPMVSK	0
PRR2	6319987	Q12310	2	KNS*TDFTSSFNLS+80LPK	0
PRR2	6319987	Q12310	2	S+80YDVSFS*S*LPVADSVPR	0
PRR2	6319987	Q12310	1	TDFT*AS*S*RDDENTDVQK	0
PRR2	6319987	Q12310	1	YYS+80LEDVSVSLSTNPLDDTYSEAVQVNTN	0
PSH1	6324518	Q12161	1	DEFDEEYS+80EGELDEIR	1
PSH1	6324518	Q12161	1	HVIIT+80DDEEEEQR	1
PSH1	6324518	Q12161	1	NLVLN+80ALK	1
PSH1	6324518	Q12161	1	NSALAVADD+80DDGTR	0
PSK1	6319302	P31374	1	AHS+80QSTLSEQEQVLENDK	1
PSK1	6319302	P31374	1	GDYGNINIS+80PERPSFR	1
PSK1	6319302	P31374	1	GTSSVASLQTPPS+80PDQENHIDNELENYDTSLSVDSTPNK	0
PSK1	6319302	P31374	3	ISLS+80PS*TES+80LADSK	1
PSK1	6319302	P31374	1	LIDENATEGLAGS+80PK	1
PSK1	6319302	P31374	2	LPS*TASSV*VDSTVS*S*OPLTDEDIK	0
PSK1	6319302	P31374	1	NGDENQLDGDS*HSEPLS*TS*PVR	1
PSK2	6324527	Q08217	1	AMADLSISSAETISNS+80DEVDLQVNEK	1
PSK2	6324527	Q08217	1	ENEIDVVG+80R	1
PSK2	6324527	Q08217	1	NLT+80ETATLSASR	1
PSR1	6323019	Q07800	1	GPTVQVS*S*DHLIQDMNLSR	1
PSR2	6323047	Q06898 Q07949 Q6B1J9	1	MQYSTPEILLSSSDSGS+80NAGSK	0
PSY3	6323408	Q12318	1	S+80GVLYPTK	0
PSY4	6319425	P38193 Q6B302	1	EDGADEDEDDDHMS*TDDEDEDDDED	0
PSY4	6319425	P38193 Q6B302	2	IDS+80IMS+80VNLGYDEDEEEFFDGEDER	0
PSY4	6319425	P38193 Q6B302	1	KPTDLNFEYDESPSFTNMDLTT+80PK	1
PSY4	6319425	P38193 Q6B302	1	NNS+80DEDDDDNDDDYR	0
PTC2	6320934	P39966	1	DHEAAVASVTAADNDPMDIDDDTADT+80DAENLDPPSSQSK	0
PTC4	6319601	P38089	1	AFS+80DFQFK	0
PTC4	6319601	P38089	1	LTNITQNLTYGT+80PPQEAQVTEPDLMLHK	0
PTK2	6322519	P47116	2	KRPT+80SPISGSGSGGNS+80PSSSAGAR	1
PTK2	6322519	P47116	2	NFSAPNVS*S*SSNS+80LR	1
PTK2	6322519	P47116	1	QYS+80VHLTDNFDVFDNKNPIGSGGSEVR	1
PTK2	6322519	P47116	2	RPT+80S+80PSISGSGSGGNSPSSSAGAR	0
PTK2	6322519	P47116	1	SLGS+80PSVSSSK	1
PTK2	6322519	P47116	1	SMILNSTPTT+80PTHNGPTPLPAK	1
PTK2	6322519	P47116	1	S*T*S*T*MDFSENSLDAPHDQEVHTSNPFLK	1
PTK2	6322519	P47116	1	VEDNLS+80EDDSTMK	1
PTK2	6322519	P47116	1	VIEATTTNVDSILEKPTPT+80STK	0
PTP2	6324782	P29461	1	DLIHS+80PNSLQK	1
PTP2	6324782	P29461	1	LPHS+80PKPPAVSEASTTETK	1
PTP2	6324782	P29461	1	NNTSSSPPLSSDDTIMS+80PINDYELTEIGQSFTK	0
PTP2	6324782	P29461	1	VKLPHS+80PKPPAVSEASTTETK	1
PTP3	6320919	P40048	1	ENSFIEKPS+80YPEQLTSTSSTIMPPK	0
PTP3	6320919	P40048	1	HS*HS*TSDDGILDINVINANYSLPR	0
PTP3	6320919	P40048	1	NVLSDS+80PMSSSSPISALFK	1
PTP3	6320919	P40048	1	RAT+80APVLPSPFKPK	1
PUF3	6323016	Q02601 Q07807	1	NTTNSGSLYHS*TS*NSGSSASLESENAHYPK	0
PUF3	6323016	Q02601 Q07807	1	S+80PLLEQLR	0
PUF3	6323016	Q02601 Q07807	2	SSFITANEVDSSELLHGS*TS*ES*S*PIFK	0
PUF3	6323016	Q02601 Q07807	2	S*VS*NAS*LDQNTFQNVESDK	1
PUF3	6323016	Q02601 Q07807	1	NNKVNHLGLQYS*ASIAQPVYNGNDNNSGGEGFFEK	0
PUF3	6323016	Q02601 Q07807	1	T*ALSVGTAPPFTNSK	1
PWP1	6323225	P21304	1	ATLEEAGES+80GVVEDDAATGSSNK	1
PXR1	6321719	P53335 Q6T8G9	1	S*SEASNIPDAVNTN	1
RAD1	6325235	P06777	1	DDDDTAVES+80DDELFERPFNVVTDADLSIEK	1
RAD1	6325235	P06777	1	IKNEDEPDS+80NHLNEVENEDSK	0
RAD1	6325235	P06777	1	KGS+80GDDLDDGQENEAANDSK	0

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RAD14	6323857	P28519	1	AHIHFHS+80DPVDGGIDEDGYQIQR	0
RAD14	6323857	P28519	1	EDYFLT+80DELNDELDFHR	0
RAD2	6321697	P07276	1	HES+80SNATTAPQK	0
RAD2	6321697	P07276	1	LLALQLQNGS+80NDNVK	0
RAD2	6321697	P07276	1	NEQES+80GAETTK	0
RAD2	6321697	P07276	1	NTESNVS+80QEATK	0
RAD53	6325104	P22216 Q6B1S1	1	ANQPSASSSS*MSAK	1
RAD53	6325104	P22216 Q6B1S1	1	GKDTSVS+80PDEYEER	1
RAD53	6325104	P22216 Q6B1S1	2	IHS+80VSL+80QSQIDPSK	1
RAD53	6325104	P22216 Q6B1S1	1	KPPVSDTNNNGNNSVNLDLVES+80PINANTGNILK	1
RAD53	6325104	P22216 Q6B1S1	1	LLHS+80NNTENVK	1
RAD53	6325104	P22216 Q6B1S1	2	NT+80S+80KIASPGLTSSSTASSMVANK	1
RAD53	6325104	P22216 Q6B1S1	1	S+80MYESPAQLDLDIWIYCHTGTNVSYLNNNR	0
RAD53	6325104	P22216 Q6B1S1	1	T+80FCGTLAYVAPEVIR	1
RCK1	6321280	P38622	2	LDETS+80NKS+80TYSSSNHQYPEQLELHNYK	1
RCK1	6321280	P38622	1	NNTAKT+80PCGTIEYVASEVFTSK	0
RCK1	6321280	P38622	1	S*ES*SEYIFMTEEDR	0
RCK1	6321280	P38622	1	SSLVDFNVTTSS*DSEK	0
RCK1	6321280	P38622	1	ST+80DYSSNHQYPEQLELHNYK	0
REG1	6320231	Q00816	1	ANLQNLNS+80PDNNR	1
REG1	6320231	Q00816	1	S+80MGLLDEYIDPTK	1
REG1	6320231	Q00816	2	S*DS*GVHS+80PITDNSSVASSTTSR	1
RGA1	6324701	P39083 P39934	1	LEIS+80PPVLQNPNEFSDVR	0
RGA1	6324701	P39083 P39934	1	LYLDSNELSNPPMINEISLGS+80PPVK	0
RIF1	6319752	P29539 P89507	1	VDDLRS+80DEDEHGTVAQEK	1
RIM11	6323788	P38615 Q6C5K4	1	QLKPTPEPNVS+80YICSR	1
RIM15	14318486	P43565	1	GSIIQDNQQTANSSDS+80PTMTK	0
RIM15	14318486	P43565	1	HGINTDVSLESAANLS+80PPLNHK	0
RIM15	14318486	P43565	1	HPS+80LPR	0
RIM15	14318486	P43565	1	SESQLS+80FSLDISR	0
RIM15	14318486	P43565	1	SPLS+80PANTTTVSSYFSR	0
RIM15	14318486	P43565	1	TNS*SDLSAEESDR	1
RIO2	6324122	P40160	1	IEALS+80SGVENLKR	0
RIO2	6324122	P40160	1	KS+80MQGANWMLSR	0
RIO2	6324122	P40160	1	SHEVVP+80PLHQISGMR	0
RIO2	6324122	P40160	1	YEPKPS*S*MLDTEFGDGYK	0
RLM1	6325168	Q12224	1	GMNQS+80ENDDDENDDDDHGNFR	0
RLM1	6325168	Q12224	2	INNSGSSNNNDNSNYTQS+80PNSLEDSIQQTVK	1
RLM1	6325168	Q12224	1	IS+80PLS+80ASASGTLQK	1
RLM1	6325168	Q12224	1	GMNQS+80ENDDDENDDDDHGNFR	0
RLM1	6325168	Q12224	1	LLS+80PTALISK	1
RMD11	6321764	P38742	1	VNS+80GEADTVYDSNIGHEASTDPNLR	1
RMD11	6321764	P38742	1	YLITLDDNPS*S*LDDLTTETNSLESSILR	0
ROM1	6321507	P53046 Q92326	1	S*S*PVSLTEISMIK	1
ROM2	6323403	P51862	1	LRDS+80PHEVYEFDTNSR	1
ROM2	6323403	P51862	1	RKPS+80LPQLALAGLK	1
ROM2	6323403	P51862	1	S+80GVAAIDSDIPNEMK	1
ROM2	6323403	P51862	1	SSAFFST*PIQLVQR	1
RPO21	6320061	P04050 Q12364 Q92315	1	ITEIEDGQDGGVT+80PYSNESGLVNADLDVK	1
RRP15	6325400	Q06511	1	TEKEVS+80ENLSEIK	0
RSP5	6320972	P39940	1	STNSTSS+80ATR	0
RTG3	6319365	P38165 P89494	1	EFLS+80GDLIEAEDNAK	0
RTG3	6319365	P38165 P89494	1	HT*SISSNMTENIGSPGVFK	0
RTG3	6319365	P38165 P89494	1	LSYINT*HNSNDNNMLMGSOAR	1
RTG3	6319365	P38165 P89494	1	SNS*QTPTASTIYEEAESQSSYLDDMFR	0
RTG3	6319365	P38165 P89494	1	S+80PSSSFR	1
RTG3	6319365	P38165 P89494	1	SSVAALS+80PFTNNHHASSGQNNSENSEER	0
RTG3	6319365	P38165 P89494	1	SSYSMAYDS+80PVDPR	1
RTS3	6321600	P53289	1	LSTS*S*PSSSPMSAQR	1
RTS3	6321600	P53289	1	RSS+80PFEGESAILDDDCNYGYTLDTPK	1
RTS3	6321600	P53289	1	SLS+80GISSSDLTSGALLHDR	1
RTS3	6321600	P53289	2	S*S*NYL+80LDGNSLTK	1
RXT2	37362619	P38255	1	FTPDINVEPVLVGDENIDIGS+80EK	0
SAK1	6320976	P38990	1	DNASIAS+80S+80VDSLNMILLER	0
SAK1	6320976	P38990	1	NS+80S+80NNNAYSETSLPFEGVDSGSGVLLR	0
SAK1	6320976	P38990	1	S*S*ATNLGMAEAGAR	1
SAP185	6322363	P40856	2	ENEDDNTGDADVEEDDTNQVESANTS+80IDGEEVIDK	0
SAP185	6322363	P40856	2	IDSNS*T*DESLESNS+80FK	0
SAP185	6322363	P40856	2	SGEEEELENEENDS+80AS+80EDTR	0
SAT4	6319853	P25333	1	FLGHT+80PTATPR	0
SAT4	6319853	P25333	2	FS*HHS*NS*NTAITPAPTPTASNNVNVK	0
SAT4	6319853	P25333	1	SS+80SAAASLTSSVSALSLSPTSAINISSK	1
SCH9	6321999	P11792	1	HQPMMTATPLS+80PAMQAK	1
SCH9	6321999	P11792	1	NILVT*TASKSSPFVGLK	0
SCH9	6321999	P11792	1	NNNNSHS*QMDFDGQHMDFVSGR	1
SCH9	6321999	P11792	1	T*NT*FCGTTTEYLAPELLDETGYTK	1
SCY1	6321355	P53009	1	DGS*S*DIPR	1
SCY1	6321355	P53009	1	ILNS+80PQTPSSR	1
SCY1	6321355	P53009	1	KDGS*SDIPR	1
SCY1	6321355	P53009	1	TGSS*YGETLPQSK	0
SCY1	6321355	P53009	1	VEEEFNFEQSFSS*TGSIR	0
SDP1	6322078	P40479	1	SGQRPS+80LPMLATDER	0
SDS22	6322655	P36047	1	QNLIES+80ISEVELPHDK	0
SEF1	50593117	P34228	1	DNDRS+80DQDQDQSSAHMK	0
SEF1	50593117	P34228	1	LNLHPTPTGTTIPNDSPSS+80GSPTSSAAQR	1
SEF1	50593117	P34228	1	SVS+80TPVNHFFASVPGLR	1
SEF1	50593117	P34228	1	TT*PSGTTVTTLVPTK	1
SEF1	50593117	P34228	2	NNS+80AGNTPNPFF+80SPIQK	1
SER2	6321647	P42941	1	EIT*ESSAKDVINGTK	0
SF1	6323026	Q12369	1	FVPETS*PTNIPTDLVILK	0
SF1	6323026	Q12369	1	TEGFFEDPPFHLP+80PPVDSTNLEYEDVTLDPK	0
SGF73	6321372	P53165	1	ST*SMESANTPNMDTK	1
SGV1	6325419	P23293	1	YTS*VVVTR	1
SIC1	6323108	P38634	2	ILFPTQNVNIDIAEEEEEEVLLPPS+80RPT*S*AR	0
SIC1	6323108	P38634	2	S+80QES+80EDEDIINPVR	1
SIC1	6323108	P38634	2	YLAQPSGNTSSSALMQGQKT+80PQKPSQNLVPT+80PSTTK	0
SIF2	6321230	P34164	1	FHEOLS+80PRPPLYETDIPAVFDPSVMER	0
SIF2	6321230	P34164	1	LSVMEVAVDSDGSS*S*T*SDDEEGDIIAQTEPK	0
SIF2	6321230	P34164	1	MGT+80TTSHPAQK	0
SIF2	6321230	P34164	1	S*S*IALQIGKDPDDFDGQYTR	0
SIR2	6320163	P06700	1	AALGEVASMELKPTNDMDPLAVSAAVSMSNDVLPK*PK	0
SIR2	6320163	P06700	1	VSNTVS+80PTQDKDAIR	1
SIS2	6322925	P36024	2	QS+80IS+80PTLSNATTTTK	1
SIT4	6320156	P20604	1	AQEVPHGEGFDLWSDPDNVEAQVS+80PR	0
SKG3	6323216	Q06315	1	ALYAVYFSS+80PILIDSTIK	0
SKG3	6323216	Q06315	1	HIHLANAELS+80ALYDK	1
SKG3	6323216	Q06315	1	SANFEST*TPEDK	1
SKG3	6323216	Q06315	1	STINTLS*PL	1
SKG3	6323216	Q06315	1	TVTETLS+80ASDR	0
SKG3	6323216	Q06315	1	VPDF*GEENVFDPDYMEQNQMLET*ESR	0
SKG3	6323216	Q06315	2	IPHS*SLFTNLNQLTS+80NGGNYQDR	0
SKG3	6323216	Q06315	2	NNTYGS+80GNNQNTFHP+80PQLQQPQNMR	0
SKG3	6323216	Q06315	2	S+80PAISS*AELEFGYDLSLPER	1
SKM1	6324459	Q06940 Q12469	1	ENIS+80PINSYFYFESNSK	0
SKM1	6324459	Q06940 Q12469	1	ES*T*ADSQTKQLGK	0

preyGene	gi	uniprot	Number of phosphosites	Sequence	Peptide in SwissProt
SKM1	6324459	Q06940 Q12469	1	LQQTSEITYDDWNRNS+80K	0
SKM1	6324459	Q06940 Q12469	1	TDSLIPVYQSELKPFPRPS+80DDDYK	0
SKS1	6325231	Q12505	2	Y EY TNNHNNSTFLTS+SMD S+T*PYQSDIDDVSASK	0
SKY1	6323872	Q03656	1	ELYGS+80GSDIPGWFEVR	0
SKY1	6323872	Q03656	2	HTIITGS*QPLPS+80PIS*S*S*NFEMR	1
SKY1	6323872	Q03656	1	NSNNSFLNS+80VPHS+80VTR	1
SKY1	6323872	Q03656	2	S*S*DI TANDS*S*DEK	1
SKY1	6323872	Q03656	1	SS+80SSANGTVQEDTSSK	0
SLA1	6319464	P32790	1	DLEFPVK T*GGTTVPAAPVSSAPVSSAPAPLDPFK	1
SLA1	6319464	P32790	1	SEFTGS+80MQDLLDLQPLEPK	1
SLN1	6322044	P39928	1	AFGS+80DDEEGNLRGRPIENPK	1
SLN1	6322044	P39928	1	DTS*TIQEITK	0
SLN1	6322044	P39928	2	ISMDGS+80LNHDLGLPHS+80LR	1
SLN1	6322044	P39928	1	SS+80LTMNDVLEPVR	1
SLN1	6322044	P39928	2	SDVLESSATS+80LGS+80NR	1
SLT2	6321819	Q00772	1	DYVNLQNLQILQVLGT+80PPDET LR	0
SLT2	6321819	Q00772	1	F AEAAEDT T*VAIKK	0
SLT2	6321819	Q00772	1	FEFSFES+80VNDMEDLK	0
SLT2	6321819	Q00772	4	GYS+80ENPVENS+80QFLT+80EYVAT+80R	1
SLT2	6321819	Q00772	2	HDADFPFRPQESMMEMRPAT+80GNT+80ADIPQPNQNGTLTLDLEK	0
SLT2	6321819	Q00772	4	MAT*S*NS+80VAPQQES+80FGIHS+80QNLPR	1
SNF1	6320685	P06782	1	ANMLAQGS+80PAASK	0
SNF1	6320685	P06782	1	NLGAEWAKPS+80EEDLWTK	1
SNF1	6320685	P06782	1	SVSDDELDTFLSQS+80PPTFQQQSK	0
SNF1	6320685	P06782	1	T*S*CGSPNYAAPEVISGK	1
SNF4	6321323	P12904	3	T+80S+80RFAGLLT+80TDFINVIQYFSPNDK	0
SPC2	6324929	Q08817	1	DHPNLPT+80PEPK	1
SPC110	6320562	P32380	1	DEQISDLT*QNLK	0
SPC110	6320562	P32380	1	LFSEASQFDDS+80FFPEIK	0
SPC110	6320562	P32380	1	NTTQQTQVVS+80PTK	1
SPC24	6323764	Q04477	1	DSEIIS T*PNGSK	1
SPC29	6325133	P33419	1	SSQIHIENES T*EDILK	1
SPC42	6322809	P36094	1	KL S+80LNNQLQELQSMMDGDDNIK	0
SPC42	6322809	P36094	1	VKPENNMSETFAT+80PTPNNR	1
SPC42	6322809	P36094	2	MS+80PLPS+80LNTLIPINNR	0
SPS1	6320731	P08458	2	EELS+80PITQDS+80PTSSLNMESPYLLHGQTVPTITNPSSSSFR	0
SPS1	6320731	P08458	1	NITITNLKS+80DVLK	0
SPT20	6324424	P50875	2	ENKPNLNS*SSS+80PSNNNSTQDNSK	0
SPT5	6323632	P27692	1	DENTS*DKD TVDSGNVTTTETER	0
SPT7	6319555	P35177	1	DNNTNTNTS*ISNENHVENEIEDK	0
SPT7	6319555	P35177	1	GDNAIANEDNFVNNDES+80DNVEEDLFK	0
SPT7	6319555	P35177	1	SRS+80DLEAATDEQDR	0
SSK1	6323034	Q07084 Q07909	1	DGNSS+80PQEFK	1
SSK1	6323034	Q07084 Q07909	1	GKD GNS S*PQEFK	0
SSK2	6324358	P53599	1	EIAFGDSS*S*T*DTEER	0
SSK2	6324358	P53599	1	GIVASSNFEDDEENFS+80NK	1
SSK2	6324358	P53599	1	IENADGEHEDVTHVS+80DSK	0
SSK2	6324358	P53599	1	IQNPT+80LMMIDQMMDDFSTYIK	0
SSK2	6324358	P53599	1	NNENALLDMMGT+80PMYMAPESITGSTTK	0
SSK2	6324358	P53599	1	RPS+80NIGLPLPK	1
SSK2	6324358	P53599	1	SPNAVYSPGES+80PLNTVQLFNR	1
SSK2	6324358	P53599	2	SQPNGS T* S* S* S* TLQDIVTTNNS+80QR	0
SSK2	6324358	P53599	1	VYS+80AVDLDNGEILAVK	0
SSK22	10383805	P25390	1	NAAVQDFGVET+80K	0
SSK22	10383805	P25390	1	S*DS*DELA WNEIATER	0
SSK22	10383805	P25390	1	VVANS*SSDLDR	1
SSU72	6324107	P53538 Q6Q569	1	VLQEAAGYNNVSSYGT*GSAVR	1
STE12	6321876	P13574	1	AT+80PGEVEESLR	1
STE12	6321876	P13574	1	DNELVTVTNQPLLVGLVLMDDAPES*PSQINDFIQPK	1
STE12	6321876	P13574	3	EISMPT+80PDS*NT*LVQS+80EEGGAHSLEVD TNR	0
STE12	6321876	P13574	1	LIEPNTLELNLTET+80PHDLPK	1
STE12	6321876	P13574	1	LVS+80PSDPTSYMK	0
STE12	6321876	P13574	1	S*DNS*PPKLESENFK	1
STE12	6321876	P13574	1	YPYQLSVAP T*PVPPS*SSR	0
STE12	6321876	P13574	2	S*S*QGNVPT+80GNK	0
STE20	6321780	Q03497	2	APAQETV T* T* T* SKPAQAR	1
STE20	6321780	Q03497	1	ASSSS* NNS*SSSSITTALR	1
STE20	6321780	Q03497	1	FIPSRPAPKPPS*S*S*ASASAPIK	0
STE20	6321780	Q03497	2	HQQPVASS T*TVNS+80NK	1
STE20	6321780	Q03497	1	LNEICS+80DGDPTK	0
STE20	6321780	Q03497	2	LS+80L TDS+80TIETIENATVK	0
STE20	6321780	Q03497	1	NAEITND DNNVVS+80LDDPIQFTR	0
STE20	6321780	Q03497	2	QTHAPT T* PNR T S* PNR	1
STE20	6321780	Q03497	3	RAT*PVS T* PVISKPM T T* T* PR	1
STE20	6321780	Q03497	2	SKT*S*PII STAHTPQQVAQS+80PK	1
STE20	6321780	Q03497	3	S+80LEAVTPNINTSNIT+80PDHS+80ADNTFSTINASESDHQFNDTLLSK	0
STE20	6321780	Q03497	2	S+80PVMNSAANVS+80PPLK	1
STE20	6321780	Q03497	2	TFN TTTGLPGS+80PVS T* PPA NSFK	1
STE20	6321780	Q03497	1	TGTFMS+80NHVMSPTLNTDSSSANGK	0
STE20	6321780	Q03497	3	TS+80PII STAHT+80PQQVAQS+80PK	0
STE20	6321780	Q03497	1	VSSSSVISGMSSS+80MS+80PHS+80NIDETK	0
SWE1	6322274	P32944	3	ALPSIHP TIDS+80S+80PLS+80EAK	1
SWE1	6322274	P32944	1	ESRPLSLSSAIVTNTTSAETHSISSTDS*S*PLNSK	1
SWE1	6322274	P32944	1	GRYDNDT+80DEEISTPTR	1
SWE1	6322274	P32944	2	HNNQTNILS+80PTNSLVTNNS+80PQTLHSNK	1
SWE1	6322274	P32944	1	IEEEEEEEEEEGKDEES+80VDSR	1
SWE1	6322274	P32944	1	LGD FGMATHLPLEDKS+80FENEGRDR	1
SWE1	6322274	P32944	1	LSSTDIHS+80ESLFS DITK	1
SWE1	6322274	P32944	2	NAS*S*S*LSVS+80PLNFVEDNNLQEDLLFSDSPSSK	1
SWE1	6322274	P32944	1	QAGEDS+80DDFAIGGSTPTNK	1
SWE1	6322274	P32944	1	RWS+80PFHENE SVTTPITK	1
SWE1	6322274	P32944	1	S+80FENEGRDR	1
SWE1	6322274	P32944	1	SGDLS* DAGRLSSTDIHSSELFS DITK	1
SWE1	6322274	P32944	2	S+80IIGATSQT*HR	1
SWE1	6322274	P32944	1	S+80PLVEGR	1
SWE1	6322274	P32944	3	S T* GTLNL S+80LS*NT*ALSEANSK	1
SWE1	6322274	P32944	1	TNS+80PISLK	1
SWE1	6322274	P32944	1	WS+80PFHENE SVTTPITK	1
SWP1	6322274	P32944	1	YDNDT+80DEEISTPTR	0
SYP1	10383792	P25622 P25623 Q96VH0	1	S+80AFGNIGHR	0
TAF1	6321713	P46677	1	AMIQIHVGDP T+80GCGEGGFSFLK	0
TAF1	6321713	P46677	1	QLDLS* N*NLILPLNETILQKQ	0
TAF1	6321713	P46677	1	STISLNIQHSQPAINLQS+80PFYK	0
TAF1	6321713	P46677	1	S+80VPYHWHSEISR	0
TAF10	6320371	Q12030	1	EAVVDDGS+80ENAFGIPEFTR	1
TAF5	6319675	P38129	1	QSTNQNGQT+80HQQPVK	1
TCO89	6325077	Q08921	1	DGET*S*PSSIETK	0
TEC1	6319557	P18412	2	IQEHESNPFFSSNSNS*GS*EYES*EEEVWPR	0
TEP1	6324201	P53916	1	IPIS+80PIDLETR	0
TID3	6322047	P40460	1	INDSNLLMKT+80K	0
TID3	6322047	P40460	1	NLEFE TEHNVT+80N	0
TOF2	6322862	Q02208	1	IEAFS+80DEEDFNETDNR	0
TOR2	42759860	P32600	1	EIEV T* SNSK	0
TOS3	6321259	P43637	1	NSTYSPSIYDANTLS+80PSAYHNIGSR	0
TOS3	6321259	P43637	1	VELVSLPVNSS*FASLDSVYMFNFDHNNLR	0

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TOS3	6321259	P43637	1	VNSCEFPQYT*TMSPVGEYFPFESTEASLSTLTPVGNVQR	0
TPK2	6325053	P06245	1	EVQVTWTW+80LCGTPDYIAPEVITTKPKYK	0
TPK2	6325053	P06245	1	TLGTGS+80FGR	1
TPK3	6322682	P05986	1	TETTPDNVQQDIPVNAHS+80VHEECSSNTPVEINGR	1
TPK3	6322682	P05986	1	YVPDVYTY+80LCGTPDYIAPEVSTKPKYK	1
TRA1	6321891	P38811	1	AEQQGLDS+80PK	1
TRA1	6321891	P38811	1	KEDINDS+80PDVEMTESDK	1
TRA1	6321891	P38811	1	S+80IQFNLP*IAIPLSPQVFR	0
TRA1	6321891	P38811	2	TDS+80DGDVVM+S80DSK	0
TRA1	6321891	P38811	1	T+80DS+80DGDVVMDSKSDINPVEADTTAIVDANNNSPISLHLR	0
TRA1	6321891	P38811	1	VLENTLTDIVCELS+80NANPK	0
TWFI	6321517	P53250	1	LVSQDSAS+80PLSLTFR	1
UBX6	6322413	P47049	1	MYEIMS+80GIDSLFHDR	1
UFD4	6322842	P33202	1	QT*SEGLGQHFPVGRITPEILSMIGGR	1
UGP1	6322815	P32861	1	THS*YAFESNTNSVAASQMR	1
URB1	6322838	P34241 P34242	1	MTS*YFVGITLLINKIINK	1
URE2	6324100	P23202	1	EALVMELDTENAAAYS+80AGTTPMSQSR	1
VHS1	6320453	Q03785	1	EGIDDNGS+80R	0
VHS1	6320453	Q03785	1	FVSPVDNTNENLS+80PK	0
VHS1	6320453	Q03785	3	NLYSTS+80S+80S+80EEEDGIKEGIDDDNGSR	0
VHS1	6320453	Q03785	1	VPS+80IDLESIEINMSEEDFK	0
VIP1	6323442	Q06685	1	AMQSIAPILEGFS+80PK	1
VIP1	6323442	Q06685	1	FTPVNIT*S*PNLSFOK	1
VIP1	6323442	Q06685	1	NNLPSAPSEMS+80PLFLNK	1
VIP1	6323442	Q06685	1	NSS+80NSVGSGLGWVLESGK	1
VPS30	6325137	Q02948	2	ANS+80DT*S*DGSTFR	0
VPS30	6325137	Q02948	1	LEMT+80DDLDGELVR	0
VPS30	6325137	Q02948	1	SILS+80DQNLMLDNLNIQFNK	0
VPS30	6325137	Q02948	1	SITLS+80PTVNYNDK	0
YAK1	6322320	P14680	1	GQSEYGSANDSSNAGHNYVYNPSS*ATGGADSVDIGAISK	1
YAK1	6322320	P14680	1	KSS+80LVPPAR	1
YAK1	6322320	P14680	2	LSAYPPS+80TS+80PPLQPPFK	1
YAK1	6322320	P14680	1	NDLQPLVFNAT+80PK	1
YAK1	6322320	P14680	1	TIS+80PLVSTK	0
YBL104C	41629671	P38164 Q86ZS4	1	AAQAEINVG+S80VSNLK	1
YBR225W	6319702	P38321	1	GLTS*ITSNK	0
YBR225W	6319702	P38321	1	QHS+80NPTISTSNK	1
YCK1	6321927	P23291	1	SSMTATTAANS+80NSNSSR	1
YCK1	6321927	P23291	3	TPEQHNPNDNS+80S+80LAAS+80HK	1
YCK3	7276233	P39962	1	DS*S*IIMANEPVAIK	0
YCK3	7276233	P39962	2	NYEQENDAYS+80DDENDT+80FCSK	0
YCK3	7276233	P39962	1	RDS*S*IIMANEPVAIK	0
YCK3	7276233	P39962	2	S+80S+80QHIVGIHYAVGPK	0
YDL025C	6320179	Q12100	2	ESHVVASSTLTGIS+80PTV*AK	1
YDL025C	6320179	Q12100	1	HFMDSQASTPGS+80VELQHNSSSSGDDTSSR	1
YDL025C	6320179	Q12100	2	KPHLNNEGT+80NQS+80QLANYSK	0
YDL025C	6320179	Q12100	1	STIGKS+80PQGNALSK	1
YDL173W	6320028	Q12515 Q6Q543	1	SMKPS+80PVLPLK	1
YDL173W	6320028	Q12515 Q6Q543	2	SHQS+80LHATT*SSPNNNAPIVGR	1
YDR128W	6320333	Q03897	1	IQNLGEEVS+80AIGHKFPK	1
YDR239C	6320445	Q03780	1	DIPGDEAYNS+80DDIMAPLR	1
YGK3	6324444	Q12222	1	NSQELQDS+80LNDQK	0
YGK3	6324444	Q12222	1	SSIKNS+80QELQDLSNDQK	0
YGR130C	6321569	P53278	1	EYLPQINDIDNQISS*LLNEVTIHK	0
YIL151C	6322040	P40456	1	APVVAAS+80PPPMIR	1
YIL151C	6322040	P40456	2	DDT+80VVEAATRSVIT+80IR	0
KDX1	6322688	P36005	3	HPISGDS+80PS*S*S*LS+80LEDAIPQEVVQVHPSR	0
KDX1	6322688	P36005	1	KVLPSPYSEFYSVQSLPLTTTQPYQNLMISSNS*FQGVN	0
NNK1	6322677	P36003	2	ANS+80SDT+80IYFRPK	1
NNK1	6322677	P36003	2	DS+80FQSENSDLS+80PEDSILSR	1
NNK1	6322677	P36003	1	GMVSS*SSHSLK	1
NNK1	6322677	P36003	1	GNYELWS*S*PDAILTONK	1
NNK1	6322677	P36003	1	HGS*IASQLSSFS*SPMSTIAK	1
NNK1	6322677	P36003	2	HKT*TFDFS*LNLEPEPS+80K	1
NNK1	6322677	P36003	1	HLNQPS*SSSS*SNLHFKPASQPPQHR	0
NNK1	6322677	P36003	1	MNS+80NPLSGSAGGARPPDK	1
NNK1	6322677	P36003	1	QNGS+80PMSSSR	1
NNK1	6322677	P36003	1	S+80IEQTLNIK	1
NNK1	6322677	P36003	2	SSQHS*S*GTAS+80PISDSPASNR	1
NNK1	6322677	P36003	1	SSY*TS*S*NNNS*ITQNNK	0
NNK1	6322677	P36003	1	S*TEDLYEFR	1
NNK1	6322677	P36003	2	TTDFS*LNLEPEPS+80KYIGS+80LPYASPELLR	1
NNK1	6322677	P36003	1	YPT*TNFLPDDR	0
YMR031C	6323674	Q05050	1	IASGLIS+80PVLGEVSR	1
YMR1	6322570	P47147 Q12388	1	DS+80VPSVYDK	1
YMR291W	6323948	Q03533	1	KT*TT*TLAYLNMDDGSSSETSTAFSSK	1
YMR291W	6323948	Q03533	1	TAS*MS*S*NDTTAINDYDTTNDKNPAR	1
YNG2	6321882	P38806	1	SVTPVS+80PSIEK	1
YNR047W	6324375	P53739	2	AAS+80EPNGLQLASATS+80PTSSSAR	1
YNR047W	6324375	P53739	1	IPGQS*VPPNSFFPQEPS+80PK	1
YNR047W	6324375	P53739	1	TNS*FVGT*EYIAPEVIR	1
YOL138C	6324434	Q08281 Q92271	1	HAPSRPDS+80IGR	1
YOL138C	6324434	Q08281 Q92271	1	LSSHTAPIIGS+80PR	1
YOR227W	6324801	Q12276	1	SP*NSDLQESQK	1
YPI1	14318525	P43587	1	TVS+80VEEVPVAVQLR	1
YPI1	14318525	P43587	1	S+80YS+80PNAYEIQPDYSEYR	1
YPK1	6322723	P12688	3	GTINPS+80NS*S*V*VPVRS+80YDASSSTSTVTR	1
YPK1	6322723	P12688	1	KGT+80INPSNSVVPVR	1
YPK1	6322723	P12688	1	NKPLS+80IDDFDLK	1
YPK1	6322723	P12688	1	TDT*FCGTPEYLAPELLLGLGYTK	1
YPK1	6322723	P12688	2	VS+80YDAS*S*S*TS*TVR	1
YPK2	6323751	P18961	1	AS*QS*S*TT*QGPSSEGLMTVK	0
YPK2	6323751	P18961	2	INT+80NETLPSLLS*FK	1
YPL141C	6325116	Q03002	1	EDT*FCGTPEYLAPELLLQGGYTK	1
YPL141C	6325116	Q03002	2	EYVLSHEQSLS+80PQDNIR	0
YPL141C	6325116	Q03002	1	QT*TT*GNMTAS*LS*PPPAISP*GDIIIETPIK	0
YPL150W	6325107	Q12152	1	S*NSAASVALQAVVNADR	0
YPL150W	6325107	Q12152	1	DEEGDDEYAIHT+80DGEFSIKPOFSDDDVIDK	0
YPL150W	6325107	Q12152	3	ITSNTDSIIQEVS+80S+80S+80EEEDHNIYYSK	0
YPL150W	6325107	Q12152	1	NRPLSEISQISNDYI*ISEYSTDGNNS*FK	0
YPL150W	6325107	Q12152	1	S*LS*EGSNWSSSYLSDNNR	0
YPL150W	6325107	Q12152	2	TES*IGS+80LNNVAGAVIPR	1
YPR115W	6325009	Q12523	1	S*PSIHGTSLED*PDG*DE*TE*MD*GGAGSGLNED*PLSLNNNSK	1
YPR115W	6325372	Q06108	1	ADPS+80DLVNIYETS*GEFVR	0
YPR115W	6325372	Q06108	2	ASAPGEV*PQIAV*SNHGDEAII*PAS*AYS*DS*S*HK	0
YPR115W	6325372	Q06108	1	ASSVAS+80IHNQR	1
YPR115W	6325372	Q06108	1	FAFLT+80DELE*TNK	1
YPR115W	6325372	Q06108	1	FGS*GSIQDIQVILK	1
YPR115W	6325372	Q06108	1	GSDLSPFEMES+80PLFEENR	1
YPR115W	6325372	Q06108	3	NST*YIT+80P*VDS+80FVNLV+S80EK	1
YPR115W	6325372	Q06108	1	SPYS+80PYT*GEGMLYNR	1
YPR115W	6325372	Q06108	1	TFS+80ALSMVSVFK	1
YPR115W	6325372	Q06108	2	TYS+80AENVPLT*STVS+80NDK	1
YPR115W	6325372	Q06108	1	VNT+80PAIDENGLAIVGETK	1
YPR115W	6325372	Q06108	1	YS+80ALIDSEAR	0

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YPR115W	6325372	Q06108	1	RLS+80DIVYPNMK	1
YPR115W	6325372	Q06108	1	S+80ADNLMASSSR	1
YTA7	6321709	P40340	1	EQS+80QENILQEPDLK	1
YTA7	6321709	P40340	1	GDEDDDDVLDVS+80PHENAR	1
YTA7	6321709	P40340	1	KPPIDDAFLVHLFEPETS*NDPNWQPAYIK	0
YTA7	6321709	P40340	1	LPPPLTAS+80NAEEFIDK	1
YTA7	6321709	P40340	1	NTSLLQNFIDYEEYS+80GEEEEHDK	0
YTA7	6321709	P40340	1	RGS+80DVEDASNAK	1
YTA7	6321709	P40340	2	LILDS+80DS*S*DDEILPLGVTPK	0
YTA7	6321709	P40340	2	TS+80NEENDDENDNS+80RNEALTLADEIR	1