

Table 1S_A. Details of tandem mass identifi

Spot	Peptide	Peptide Sequence	Precursor charge
1545	25	13 R_QNLAQVER.T + Gln->pyro-Glu (N-term Q)	2
		R.TVIGFGSPNK.A	2
		R.TVIGFGSPNK.A	2
		R.TVIGFGSPNK.A	2
		K.EAILEAQSVK.D	2
		K.EAILEAQSVK.D	2
		R.ESVLPSNVAAR.V	2
		R.ESVLPSNVAAR.V	2
		K.YINELQANPAK.I	2
		K.YINELQANPAK.I	2
		K.YINELQANPAK.I	2
		K.AHPQLAEFTR.R	2
		K.AHPQLAEFTR.R	3
		K.KAHPQLAEFTR.R	3
		K.GAIVGMTGYGESAPADK.L + Oxidation (M)	2
		K.GAIVGMTGYGESAPADK.L + Oxidation (M)	2
		K.LFPFFGFTAENIVAK.A	2
		K.EEAHGAPLGEEVALAR.Q	2
		K.GSVSLKEDPAGNYIHYGVR.E	3
		R.VVSLPSTDIFDAQDEEYR.E	2
		R.VVSLPSTDIFDAQDEEYR.E	3
		R.VVSLPSTDIFDAQDEEYR.E	2
		R.VVSLPSTDIFDAQDEEYRESVLPNVAAR.V	3
		R.VVSLPSTDIFDAQDEEYRESVLPNVAAR.V	3
		K.TPGHPEIGYTPGVETTTGPLGQLANAVGLAIAER.T	3
761	11	11 K.SFYGDAAQK.E	2
		R.LYEQDALR.M	2
		K.HYTNASLLVR.D	2
		R.TASVADIYAPIR.S	2
		R.SLGMLAVDNQAR.V + Oxidation (M)	2
		K.EQFPYVGTYYR.L	2
		K.GAGLLDYVNSENR.L	2
		R.YTPDVVENICGTPK.A + Carboxymethyl (C)	2
		K.NANVVMVMGGNAEAHPVGFR.W + 2 Oxidation (M)	3
		R.KGYIANTLTPNVGDANSQTPEYK.A	3
1530	27	16 R.TWFAADK.T	2
		K.ITTLPPAK.R	2
		R.DDVNFLK.H	2
		R.DDVNFLK.H	2
		R.DDVNFLK.H	2
		K.AYVGDPVK.E	2
		R.GDVVYLDLR.H	2
		R.GDVVYLDLR.H	2
		R.LPFICELAK.A	2
		R.ANAVVMATGGAGR.V + Oxidation (M)	2
		R.ANAVVMATGGAGR.V + Oxidation (M)	2
		R.ANAVVMATGGAGR.V + Oxidation (M)	2
		K.TIDKLAELQER.F	2

			K.TIDKLAELQER.F	3
			R.LGSNSLAELVVFGR.L	2
			R.DADGTRREYSVVK.I	3
			R.GLVAMNMMEGTLVQIR.A + 3 Oxidation (M)	2
			R.GLVAMNMMEGTLVQIR.A + 3 Oxidation (M)	3
			K.GLFAVGECSVGLHGHR.L	3
			R.YLQDYGMGPETPLGEPK.N + Oxidation (M)	2
			R.FDEHFVLDILVDDGHVR.G	3
			K.IRDEMGLAMEEGCIYR.T + 2 Oxidation (M)	3
			R.SATAGNGNEAAIEAQAAGVEQR.L	3
			R.SATAGNGNEAAIEAQAAGVEQR.L	3
			R.SATAGNGNEAAIEAQAAGVEQR.L	2
			R.SATAGNGNEAAIEAQAAGVEQR.L	2
			R.SATAGNGNEAAIEAQAAGVEQR.L	3
3026	27	10	R.VAESVIPEIK.H	2
			R.VAESVIPEIK.H	2
			K.LSLEPLIAHR.G	2
			K.SVTAIDISSEK.L	2
			K.SVTAIDISSEK.L	2
			K.SVTAIDISSEK.L	2
			K.SVTAIDISSEK.L	2
			K.SVTAIDISSEK.L	2
			K.SVTAIDISSEK.L	2
			K.SVTAIDISSEK.L	2
			K.SVTAIDISSEK.L	2
			K.SVNTDGIIVR.V	2
			K.SVNTDGIIVR.V	2
			K.SVNTDGIIVR.V	2
			K.SVNTDGIIVR.V	2
			K.SVNTDGIIVR.V	2
			K.SVNTDGIIVR.V	2
			K.SVNTDGIIVR.V	2
			K.SVNTDGIIVR.V	2
			R.DGGFAEYIVVK.R	2
			R.GSFESFAQAVR.D	2
			R.GSFESFAQAVR.D	2
			R.KLSLEPLIAHR.G	2
			R.RDGGFAEYIVVK.R	3
			R.RDGGFAEYIVVK.R	2
			-.MKS V VNTDGIIVR.V + Oxidation (M)	2
			-.MKS V VNTDGIIVR.V + Oxidation (M)	3
			-.MKS V VNTDGIIVR.V + Oxidation (M)	3
			-.MKS V VNTDGIIVR.V + Oxidation (M)	3
			K.SVTAIDISSEKLALAK.S	3
2441	38	24	K.EAFDTGVR.Y	2
			K.HLPEPFR.I	2
			K.HLPEPFR.I	2
			K.HLPEPFR.I	2
			K.HLPEPFR.I	2
			K.HLPEPFR.I	2
			K.GLTFTYEPK.V	2
			R.AYREEAIK.S	2
			R.FAENAYFIK.Q	2

			R.SYYALAESVK.N	2
			R.SYYALAESVK.N	2
			K.YAD <u>M</u> L <u>A</u> MSAK.K + 2 Oxidation (M)	2
			K.GNFDLEGLER.G	2
			K.GNFDLEGLER.G	2
			K.DWTIEQITR.E	2
			R.AVEIGSFLLGR.D	2
			K.QLPCPAELLR.L	2
			K.YDIPVVMDSAR.F + Oxidation (M)	2
			K.YDIPVVMDSAR.F + Oxidation (M)	2
			R.GAEQIYIPVLIK.K	2
			K.KYDIPVVMDSAR.F + Oxidation (M)	3
			K.KYDIPVVMDSAR.F + Oxidation (M)	2
			K.KYDIPVVMDSAR.F + Oxidation (M)	3
			K.DDSFFDVYTECR.T	2
			K.DDSFFDVYTECR.T	2
			R.EAEYKDWTIEQITR.E	3
			K.NIFGYQYTIPTHQGR.G	2
			K.NIFGYQYTIPTHQGR.G	3
			K.NIFGYQYTIPTHQGR.G	3
			K.NIFGYQYTIPTHQGR.G	3
			R.ATYTQTHMDFIIEAFK.H + Oxidation (M)	2
			R.LAVGLYDGMNLDWLAYR.I + Oxidation (M)	2
			R.TLCVVQEGFPTYGGLEGGAMER.L + Oxidation (M)	3
			R.TLCVVQEGFPTYGGLEGGAMER.L + Oxidation (M)	2
			R.TLCVVQEGFPTYGGLEGGAMER.L + Oxidation (M)	3
			K.LLPHIPADQFPAQALACELYK.V	3
			R.IAQVQYLVDGLEEIGVVAQQAGGHAAFVDAGK.L	3
			R.GIEEVGPNNVPYIVATITSNSAGGQPVSLANLK.A	3
2441	11	9	K.LDDPTGYGR.I	2
			K.LLLAGVM <u>L</u> R.D + Oxidation (M)	2
			R.EIVAVHPQR.L	2
			R.LSEVEGVNNR.L	2
			K.GATIAAGTTVTR.N	2
			R.DAKPQGGIGLLTVK.L	2
			R.DAKPQGGIGLLTVK.L	2
			-. <u>M</u> LNNAMSVVILAAGK.G + 2 Oxidation (M)	2
			R.LRPGAELLEGAHVGNFVEMK.K + Oxidation (M)	3
			R.LRPGAELLEGAHVGNFVEMK.K + Oxidation (M)	3
			K.TIIGDDVFGSDTQLVAPVTVGK.G	2
3047	21	13	R.YGVTDLR.S	2
			K.GTLHDFLR.N	2
			R.SFFENDLR.F	2
			R.SFFENDLR.F	2
			M.SHLAELVASAK.A	2
			K.AELESALNAR.L	2
			K.EQVQQALNAR.K	2
			-. <u>M</u> SHLAELVASAK.A + Oxidation (M)	2
			R.NFFEEDLQIR.F	2
			R.LAAETIDVSLPGR.R	2

			R.LAAETIDVSLPGR.R	2
			R.LAAETIDVSLPGR.R	2
			K.KGHLLTQM <u>T</u> TLR.E + Oxidation (M)	3
			R.LAAETIDVSLPGRR.I	2
			R.LAAETIDVSLPGRR.I	3
			K.AAISQASDVAALDNVR.V	2
			K.AAISQASDVAALDNVR.V	2
			K.AAISQASDVAALDNVR.V	3
			R.ELPPEERPAAGAVINEAK.E	3
			R.FRPSYFPFTEPSAEVDV <u>M</u> MGK.N + Oxidation (M)	2
			R.FRPSYFPFTEPSAEVDV <u>M</u> MGK.N + Oxidation (M)	2
3674	7	5	R.LIPLTTAEQVGK.W	2
			R.LIPLTTAEQVGK.W	2
			R.FFDNDVNQVPK.Y	2
			R.YFNELEAENIK.G	2
			K.A <u>I</u> MVCDEPST <u>M</u> ELK.V + 2 Oxidation (M)	2
			K.HVVTFNMDEYVGLPK.E + Oxidation (M)	3
			K.HVVTFNMDEYVGLPK.E + Oxidation (M)	2
1523	18	15	K.ITTLPPAK.R	2
			R.DDVNFLK.H	2
			R.DDVNFLK.H	2
			K.Y <u>M</u> ELGPR.D + Oxidation (M)	2
			R.GDVVYLDLR.H	2
			R.LPFICELAK.A	2
			K.NKY <u>M</u> ELGPR.D + Oxidation (M)	2
			R.ANAV <u>V</u> MATGGAGR.V + Oxidation (M)	2
			K.TIDKLAELQER.F	2
			K.TIDKLAELQER.F	3
			R.LGSNSLAELVVFGR.L	2
			R.DADGTTRELYSDVK.I	3
			R.GLV <u>A</u> M <u>N</u> M <u>M</u> EGTLVQIR.A + 3 Oxidation (M)	2
			R.YLQDY <u>G</u> MGPETPLGEPK.N + Oxidation (M)	2
			R.SATAGNGNEAAIEAQAAGVEQR.L	3
			R.SATAGNGNEAAIEAQAAGVEQR.L	3
			R.YNTNGGIVTGD <u>G</u> M <u>G</u> MALSHGVPLR.D + 2 Oxidation (M)	3
			R.DEMGLA <u>M</u> EEGCGIYRTPELMQK.T + Oxidation (M)	3
2131	46	18	R.LDVEIKDR.A	2
			R.LDVEIKDR.A	2
			R.LDVEIKDR.A	2
			R.IVYQDLTR.L	2
			R.IVYQDLTR.L	2
			R.IVYQDLTR.L	2
			R.IVYQDLTR.L	2
			R.IVYQDLTR.L	2
			R.IVYQDLTR.L	2
			R.IVYQDLTR.L	2
			K.IYLHAFDGR.D	2
			K.IYLHAFDGR.D	3
			K.IYLHAFDGR.D	3
			R.AFVNADFDGFAR.K	2
			R.AFVNADFDGFAR.K	2

			R.AFVNADFDGFAR.K	2
			R.AFVNADFDGFAR.K	2
			R.EEQQDNAIFSAK.T	2
			R.EEQQDNAIFSAK.T	2
			R.EEQQDNAIFSAK.T	2
			R.AFFANPVLTGAVDK.A	2
			K.AVEALDHCVEEVAK.A	2
			K.AVEALDHCVEEVAK.A	3
			K.AVEALDHCVEEVAK.A	2
			K.AVEALDHCVEEVAK.A	3
			R.QMGNSEVGHVNLGAGR.I + Gln->pyro-Glu (N-term C	2
			R.QMGNSEVGHVNLGAGR.I + Gln->pyro-Glu (N-term C	2
			R.QMGNSEVGHVNLGAGR.I + Gln->pyro-Glu (N-term C	2
			R.QMGNSEVGHVNLGAGR.I + Gln->pyro-Glu (N-term C	2
			R.QMGNSEVGHVNLGAGR.I + Gln->pyro-Glu (N-term C	2
			R.QMGNSEVGHVNLGAGR.I	2
			K.KPMVLVILDGYGYR.E + Oxidation (M)	2
			R.QMGNSEVGHVNLGAGR.I + Oxidation (M)	3
			R.QMGNSEVGHVNLGAGR.I + Oxidation (M)	2
			K.DRAFFANPVLTGAVDK.A	3
			K.VVNVDV <u>ML</u> TEYAADIK.T + Oxidation (M)	2
			K.VATYDLQPE <u>MSSAELTEK</u> .L + Oxidation (M)	2
			K.VATYDLQPE <u>MSSAELTEK</u> .L + Oxidation (M)	3
			K.VATYDLQPE <u>MSSAELTEK</u> .L + Oxidation (M)	3
			K.VATYDLQPE <u>MSSAELTEK</u> .L + Oxidation (M)	2
			K.TAVAYPPASLVNTFGEW <u>MAK</u> .N + Oxidation (M)	3
			K.AVESVGGQLLITADHGNAEQ <u>MR</u> .D + Oxidation (M)	3
			K.AVESVGGQLLITADHGNAEQ <u>MR</u> .D + Oxidation (M)	3
			R.AEQPDAA <u>MEDGDALIFM</u> NFR.A + 2 Oxidation (M)	2
			R.AEQPDAA <u>MEDGDALIFM</u> NFR.A + 2 Oxidation (M)	2
			R.DPATGQAHTAHTNLPVPLIYVGDK.N	3
2131	13	12	R.LVSEALAEER.E	2
			R.TSLPGSTGLR.F	2
			R.YLEHYEFR.L	2
			R.YPFLTESLAR.H	2
			K. <u>MAPHIAFP</u> MR.F + 2 Oxidation (M)	3
			R.LVLANAQ <u>MVVR</u> .K + Oxidation (M)	2
			K.ESVLPGGAIEGDR.D	2
			R.FGANSVLKPEIK.R	2
			R.IGLF <u>MYDHLGK</u> .R + Oxidation (M)	2
			R.IGLF <u>MYDHLGK</u> .R + Oxidation (M)	3
			R.RYPFLTESLAR.H	2
			K.QFFDDG <u>MHL</u> PSPYGIR.L + Gln->pyro-Glu (N-term Q	2
			K.ESVLPGGAIEGDRDDYAAR.L	2
2006	16	11	K.LGLGAQFGGK.Y	2
			K.LKELIDAGK.E	2
			K.YVALQFLR.N	2
			R.LSLTGTIIVGR.D	2
			K.DHPIYYAGPAK.T	2

			K.DHPIYYAGPAK.T	3
			K.DHPIYYAGPAK.T	2
			R.YSQNAALDMYK.E + Oxidation (M)	2
			R.YSQNAALDMYK.E + Oxidation (M)	2
			R.VWTGGGDEETLSK.G	2
			R.VWTGGGDEETLSK.G	2
			K.GVYNTYIEDNLR.Y	2
			K.GVYNTYIEDNLR.Y	2
			K.TPAGYPSGSLGPTTAGR.M	2
			K.EILAQLSQYPVSTR.L	2
			R.DVQLEQELLEEAQK.L	2
2314	17	11	R.GVFNLVLGR.G	2
			K.FGETYINR.E	2
			K.GIYDQFVNR.L	2
			R.GETVGQELAGNPK.V	2
			R.GETVGQELAGNPK.V	2
			R.GETVGQELAGNPK.V	2
			R.ASEISALIVEEGGK.I	2
			R.ASEISALIVEEGGK.I	2
			K.VAMVSMGTGSVSAGEK.I + 2 Oxidation (M)	2
			K.GYYYPTLLLDVR.Q	2
			R.NDIAMGPLINAAAALER.V + Oxidation (M)	3
			R.NDIAMGPLINAAAALER.V + Oxidation (M)	2
			K.APAIVMDDADLELAVK.A + Oxidation (M)	2
			K.APAIVMDDADLELAVK.A + Oxidation (M)	2
			R.LGEAMQAVQFGNPAER.N + Oxidation (M)	2
			R.LGEAMQAVQFGNPAER.N + Oxidation (M)	3
			K.MAPALLTGNTIVIKPSEFTPNNAIAFAK.I + Oxidation (2
2314	33	15	K.EYSPLAVK.K	2
			K.EYSPLAVK.K	2
			K.EYSPLAVK.K	2
			K.CINGITANK.E	2
			K.CINGITANK.E	2
			K.CINGITANK.E	2
			K.CINGITANK.E	2
			R.IAVYSSLIK.L	2
			K.LVDAINQLR.E	2
			R.IEEDLLGTR.E	2
			R.IEEDLLGTR.E	2
			R.IEEDLLGTR.E	2
			K.AVEFQDILK.M	2
			K.AVEFQDILK.M	2
			K.ISDIPEFVR.G	2
			R.KAVEFQDILK.M	2
			R.KAVEFQDILK.M	2
			R.AIENFYISNNK.I	2
			R.AIENFYISNNK.I	2
			K.CQSTNDAYPTGFR.I	2
			K.CQSTNDAYPTGFR.I	2
			R.EVPADAYYGVHTLR.A	3

			R.EVPADAYYGVHTLR.A	2
			R.EVPADAYYGVHTLR.A	3
			K.GEYQYLNPNHDVVK.C	3
			K.GEYQYLNPNHDVVK.C	3
			K.GEYQYLNPNHDVVK.C	3
			K.GEYQYLNPNHDVVK.C	3
			K.GEYQYLNPNHDVVK.C	2
			K.VNPVVPEVVNQVCFK.V	2
			R.TQLQDAVPM TL LGQEFR.A + Oxidation (M)	3
			R.TQLQDAVPM TL LGQEFR.A + Oxidation (M)	2
			R.AGLNEINLPELQAGSSIM PAK .V + Oxidation (M)	3
2050	36	21	K.LFIDNFDK.Y	2
			R.DTFWWADK.G	2
			R.DALLENVTVR.E	2
			R.DALLENVTVR.E	2
			R.DALLENVTVR.E	2
			R.RDALLENVTVR.E	2
			R.EDGTIDFDDGSK.T	2
			R.EDGTIDFDDGSK.T	2
			R.EDGTIDFDDGSK.T	2
			R.EDGTIDFDDGSK.T	2
			K.EAEPEIYN AI R.R	2
			K.GDVAVFFGLSGTGK.T	2
			K.GDVAVFFGLSGTGK.T	2
			K.YTDPAGAALVAAGPK.L	2
			R.FITEVAWQA H FK.N	3
			R. M QLIGGTWYGGEM K .K + 2 Oxidation (M)	2
			R.LFVVDAFCGANPDTR.L	2
			R.LFVVDAFCGANPDTR.L	2
			R.LFVVDAFCGANPDTR.L	2
			K.K M FS M N Y LLPLK.G + 3 Oxidation (M)	3
			R. M QLIGGTWYGGEM K .K + 2 Oxidation (M)	3
			K.VIFLTADAFGLP P VS R .L	2
			K.VIFLTADAFGLP P VS R .L	2
			K.VIFLTADAFGLP P VS R .L	2
			K.VIFLTADAFGLP P VS R .L	4
			K.VIFLTADAFGLP P VS R .L	4
			K.NDNKPLSPETWQH L K.G	4
			R.EDGTIDFDDGSKTENTR.V	4
			R.EDGTIDFDDGSKTENTR.V	4
			R.EDGTIDFDDGSKTENTR.V	4
			R.LTADQTQYH F LSGFTAK.L	2
			R.LTADQTQYH F LSGFTAK.L	3
			K.EQGLNSEN F VAFNLTER.M	2
			K.EQGLNSEN F VAFNLTER.M	3
			R.VSYPIYHIDNIVK P VSK.A	3
			K. N M F IRPSDEELAGFKPDFIV M NGAK.C + 2 Oxidation	3
2041	33	22	R.DISELVR.Q	2
			R.DISELVR.Q	2
			R.GIVGNIYK.G	2

			R.GIVGNIYK.G	2
			R.DFADAELDR.I	2
			R.DFADAELDR.I	2
			R.LTTDITLPSR.Y	2
			R.LTTDITLPSR.Y	2
			R.VLHSLEQALS.K.D	2
			R.VLHSLEQALS.K.D	2
			R.VLHSLEQALS.K.D	3
			K.TVETVCYEIMR.E + Oxidation (M)	2
			R.VLRDFADAELDR.I	2
			R.VLRDFADAELDR.I	3
			R.YQLYGELALAQR.V	2
			R.FLVYASPAVAEALK.G	2
			M.TAELLVNVTPSETR.V	2
			R.VLPGMQAAFVDIGLKD.A + Oxidation (M)	2
			K.VVAEYCDEQGGFIIR.T	2
			R.YLVFMPGASHVGVSR.I + Oxidation (M)	3
			R_QPIFDLFDVENEIQR.A + Gln->pyro-Glu (N-term Q)	2
			R_QPIFDLFDVENEIQR.A + Gln->pyro-Glu (N-term Q)	2
			R_QGQDLMVQVVKDPLGTK.G + Gln->pyro-Glu (N-term)	2
			R.QGQDLMVQVVKDPLGTK.G	2
			R.QGQDLMVQVVKDPLGTK.G	2
			R.QPIFDLFDVENEIQR.A	2
			R.TAAEGVGEAELASDAAYLK.R	2
			R.TAAEGVGEAELASDAAYLKR.V	3
			K.VQIEPLYNQEQFDVMM.- + 2 Oxidation (M)	3
			K.VQIEPLYNQEQFDVMM.- + 2 Oxidation (M)	2
			R.NLDDTIFNTNIEATQAIAR.Q	2
			R.NLGGIIIDFIDMNNEDHR.R + Oxidation (M)	3
			R.LTYEALLEFTSEYIPEMTSK.L + Oxidation	2
2041	7	5	R.GVELLSTGGTAR.L	2
			R.GVELLSTGGTAR.L	2
			R.DLGMVGAEEELR.V + Oxidation (M)	2
			R.DLGMVGAEEELR.V + Oxidation (M)	2
			R.ELDAETAQAIISR.Q	2
			K.GSSMASDAFFPFR.D + Oxidation (M)	2
			K.TDPTSAFGGIIAFNR.E	2
2041	9	7	K.NLVELVQK.G	2
			R.SVLTQLYR.N	2
			R.ELLDLLVLR.G	2
			R.ELLDLLVLR.G	2
			K.LAADLNTVLTR.Y	2
			R.FADEQGVPRPK.L	2
			K.LAMLSAPLLITGDTGTGK.D + Oxidation (M)	2
			K.LAMLSAPLLITGDTGTGK.D + Oxidation (M)	2
			R.MGRQLQNVAQDVSAFSQIVAVSPK.M + Oxidation (M)	2
3125	23	11	R.GIELEVR.K	2
			R.GIELEVR.K	2
			R.GIELEVRK.V	2
			K.MMDLISKIDK.- + 2 Oxidation (M)	3

			K.ITSVNVGGMAFR.Q + Oxidation (M)	2
			R.IIVVSDEVAADTVR.K	3
			R.IIVVSDEVAADTVR.K	2
			R.IIVVSDEVAADTVR.K	3
			R.IIVVSDEVAADTVR.K	2
			R.IIVVSDEVAADTVR.K	2
			R.IDDRLIHGQVATR.W	3
			R.VMLLFTNPTDVER.L + Oxidation (M)	2
			R.VMLLFTNPTDVER.L + Oxidation (M)	2
			R.IIVVSDEVAADTVRK.T	3
			R.IIVVSDEVAADTVRK.T	2
			R.IIVVSDEVAADTVRK.T	2
			R.IIVVSDEVAADTVRK.T	3
			R.DDDPSFDELVALAVETGR.E	2
			K.GVLFLVDTWGGSPFNAASR.I	2
			K.TQVNNAVSVDEKDIEAFK.K	3
			K.TLLTQVAPPGVTAHVVDVAK.M	3
			K.TLLTQVAPPGVTAHVVDVAK.M	3
			K.TLLTQVAPPGVTAHVVDVAK.M	2
3125	11	9	K.LDQYIQNR.K	2
			R.NSMIALIQR.N + Oxidation (M)	2
			R.NSMIALIQR.N + Oxidation (M)	2
			K.VSEIVEMEGR.I + Oxidation (M)	2
			R.IFIPPYDDPK.V	2
			K.TVSIISGGNIDLSR.V	2
			K.VVTEGAGALACAALLSGK.L	2
			R.ELVDDIVLVSEDEIR.N	2
			R.ELVDDIVLVSEDEIR.N	2
			-.MHITYDLPVAIDDIIEAK.Q + Oxidation (M)	3
			R.TTGTLDGCDVSRPGNLTYEIVR.E	3
2562	59	25	R.VSLTMAMR.D + 2 Oxidation (M)	2
			K.LQAVLDNGK.A	2
			M.FLAQEIIR.K	2
			R.DSGTVLDWK.S	2
			R.DSGTVLDWK.S	2
			R.DSGTVLDWK.S	2
			K.YLPTAMLTK.A + Oxidation (M)	2
			K.YLPTAMLTK.A + Oxidation (M)	2
			K.APESTPTVYR.R	2
			-.MFLAQEIIR.K + Oxidation (M)	2
			R.ALGM AVVAM GGGR.R + 2 Oxidation (M)	2
			R.ALGM AVVAM GGGR.R + 2 Oxidation (M)	3
			R.ALGM AVVAM GGGR.R + 2 Oxidation (M)	2
			K.GPTDFVENYAK.Y	2
			K.GPTDFVENYAK.Y	2
			K.GPTDFVENYAK.Y	2
			R.DGHALSDEEIR.F	3
			R.DGHALSDEEIR.F	3
			R.DGHALSDEEIR.F	3
			R.EAVQFLTGEYR.N	2

			R.EAVQFLTGEYR.N	2
			K.LAEGLDALVMDVK.V + Oxidation (M)	2
			K.LAEGLDALVMDVK.V + Oxidation (M)	2
			K.LAEGLDALVMDVK.V + Oxidation (M)	2
			K.LAEGLDALVMDVK.V + Oxidation (M)	2
			K.RDGHALSDEEIR.F	3
			K.KLAEGLDALVMDVK.V + Oxidation (M)	3
			K.KLAEGLDALVMDVK.V + Oxidation (M)	2
			K.KLAEGLDALVMDVK.V + Oxidation (M)	2
			K.LADKAPESTPTVYR.R	2
			K.LADKAPESTPTVYR.R	3
			K.LADKAPESTPTVYR.R	2
			K.LADKAPESTPTVYR.R	3
			K.LADKAPESTPTVYR.R	3
			K.LESIPGFDIFPDDNR.F	2
			K.LESIPGFDIFPDDNR.F	2
			K.DVGVAIIGQTSSLAPADK.R	2
			K.DVGVAIIGQTSSLAPADK.R	2
			K.AVYADTEGFVSEMDTR.A + Oxidation (M)	2
			K.AVYADTEGFVSEMDTR.A + Oxidation (M)	2
			K.AVYADTEGFVSEMDTR.A + Oxidation (M)	2
			K.AVYADTEGFVSEMDTR.A + Oxidation (M)	2
			K.AVYADTEGFVSEMDTR.A + Oxidation (M)	3
			R.LGDQVDGQRPLAVIHAK.D	3
			R_QASDTIDYSVGFTDMAR.L + Gln->pyro-Glu (N-term (2
			R_QASDTIDYSVGFTDMAR.L + Gln->pyro-Glu (N-term (2
			R.QASDTIDYSVGFTDMAR.L + Oxidation (M)	2
			K.DVGVAIIGQTSSLAPADKR.F	2
			K.DVGVAIIGQTSSLAPADKR.F	3
			R.VSLTMAMRDSGTVLDWK.S	3
			R.DITATVDSIPLITASILAK.K	3
			R.DITATVDSIPLITASILAK.K	2
			R.DITATVDSIPLITASILAK.K	2
			R.DITATVDSIPLITASILAK.K	2
			R.DITATVDSIPLITASILAK.K	3
			R.EIHKDVGVAIIGQTSSLAPADK.R	3
			R.TTALLTDMNQVLASSAGNAVEVR.E + Oxidation (M)	2
			R.TTALLTDMNQVLASSAGNAVEVR.E + Oxidation (M)	3
			R.GLHTGGTLDKLESIPGFDIFPDDNR.F	3
2562	24	21	K.LVPYYTVK.E	2
			R.NLALNIESR.G	2
			R.GYTVSIFNR.S	2
			R.DYFGAHTYK.R	2
			K.TEEVIAENPGK.K	2
			K.EFVESLETPR.R	2
			K_QIADDYQQALR.D + Gln->pyro-Glu (N-term Q)	2
			K.EAYELVAPILTK.I	2
			K_QQIGVVGMMAVMGR.N + Gln->pyro-Glu (N-term Q); 2	2
			R.AAVLPANLIQAQR.D	2
			K.IVSYAQGFSQLR.A	2

			K.QQIGVVGM <u>AVM</u> GR.N + 2 Oxidation (M)	2
			R.EKTEEVIAENPGK.K	2
			R.EKTEEVIAENPGK.K	3
			M.SKQQIGVVGM <u>AVM</u> GR.N + 2 Oxidation (M)	3
			K.AGAGTDAIDS LKPYLDK.G	3
			K.GDIIIDGGNTFFQDTIR.R	2
			K.VLSGPQALSAGDKPEFIEK.V	3
			R.ELSAEGFNFIGTGVSGGEEGALK.G	3
			R.ELSAEGFNFIGTGVSGGEEGALK.G	2
			R.ELSAEGFNFIGTGVSGGEEGALK.G	3
			K.ITDAYAENPQIANLLAPYFK.Q	3
			K.IAAVAEDGEPCTYIGADGAGHYVK.M	3
			R.ELSAEGFNFIGTGVSGGEEGALKGPSIM <u>PGGQK</u> .E + Oxid	3
3030	20	11	R.IDAAIAATR.N	2
			R.IDAAIAATR.N	2
			R.VLITYGGGSVK.K	2
			K.TGVLDQVLDALK.G	2
			K.TGVLDQVLDALK.G	2
			K.ALKEPENYDVR.A	2
			K.ALKEPENYDVR.A	2
			-. <u>MNNFNLHTPTR</u> .I + Oxidation (M)	2
			-. <u>MNNFNLHTPTR</u> .I + Oxidation (M)	3
			K.KTGVLDQVLDALK.G	2
			K.KTGVLDQVLDALK.G	3
			K.KTGVLDQVLDALK.G	3
			R.FAEGILLTIEDGPK.A	2
			R.FAEGILLTIEDGPK.A	2
			K.VTFLAVGGGSVLDGTK.F	3
			K.VTFLAVGGGSVLDGTK.F	2
			K.VTFLAVGGGSVLDGTK.F	2
			K.SAIP <u>MGC</u> VLTLPATGSESNAGAVISR.K + Oxidation (M)	3
			R.NFFEQLGVPTHLSYGLDGSSIPALK.K	3
			K.QAFHSAHVQPVFAVLDPVYTYTLPPR.Q + Gln->pyro	3
3030	17	11	R.ELVASGFNR.V	2
			R.ELVASGFNR.V	2
			K.VVFEHITTK.D	2
			K.VVFEHITTK.D	2
			R.GFNEGVFTAAL.L	2
			R.FIESV <u>MEPLR</u> .Q + Oxidation (M)	2
			R.VFLGTDSAPHAR.H	3
			R.VFLGTDSAPHAR.H	3
			R.VFLGTDSAPHAR.H	3
			K.TVVPYTSEIYGR.A	2
			R.LAATITPQHLM <u>FNR</u> .N + Oxidation (M)	2
			R.LAATITPQHLM <u>FNR</u> .N + Oxidation (M)	3
			R.AIV <u>M</u> PNLAPPVTTVEAAVAYR.Q + Oxidation (M)	2
			K.IGM <u>PLL</u> VHGEVTHADIDIFDR.E + Oxidation (M)	3
			K.IGM <u>PLL</u> VHGEVTHADIDIFDR.E + Oxidation (M)	3
			K.LYPANATTNSSHGVTSIDAIM <u>PVLER</u> .M + Oxidation (M)	3
			R.EEQQVAESIALTDDTLVPFLAGETVR.W	3

3078	36	14	R.FDGTVEVK.D	2
			K.DNTPMFVK.G + Oxidation (M)	2
			K.DNTPMFVK.G + Oxidation (M)	2
			K.VLDLIAHISK.-	2
			K.VLDLIAHISK.-	2
			K.VLDLIAHISK.-	2
			K.AGIALNDNFVK.L	2
			K.AGIALNDNFVK.L	2
			K.AGIALNDNFVK.L	2
			R.GASQNIIPSSTGAAK.A	2
			R.GASQNIIPSSTGAAK.A	2
			R.VPTPNVSVVDLTVR.L	3
			R.VPTPNVSVVDLTVR.L	2
			R.VPTPNVSVVDLTVR.L	2
			K.LVSWYDNETGYSNK.V	2
			K.VVMTGPSKDNTPMFVK.G + 2 Oxidation (M)	3
			K.VVMTGPSKDNTPMFVK.G + 2 Oxidation (M)	3
			K.VVMTGPSKDNTPMFVK.G + 2 Oxidation (M)	3
			K.VVMTGPSKDNTPMFVK.G + 2 Oxidation (M)	3
			K.VVMTGPSKDNTPMFVK.G + 2 Oxidation (M)	3
			K.YAGQDIVSNASCTTNCLAPLAK.V	2
			K.WDEVGVDVVAEATGLFLTDEAR.K	2
			R.SDIEIVAINDLLDADYMLK.Y + 2 Oxidation (M)	2
			R.SDIEIVAINDLLDADYMLK.Y + 2 Oxidation (M)	3
			R.SDIEIVAINDLLDADYMLK.Y + 2 Oxidation (M)	3
			K.VINDNFGIIEGLMTTVHATTATQK.T + Oxidation (M)	3
			K.VINDNFGIIEGLMTTVHATTATQK.T + Oxidation (M)	3
			K.VINDNFGIIEGLMTTVHATTATQK.T + Oxidation (M)	3
			K.VINDNFGIIEGLMTTVHATTATQK.T + Oxidation (M)	3
			K.VINDNFGIIEGLMTTVHATTATQK.T + Oxidation (M)	3
			K.VINDNFGIIEGLMTTVHATTATQK.T + Oxidation (M)	3
			K.RSDIEIVAINDLLDADYMLK.Y + 2 Oxidation (M)	3
			K.RSDIEIVAINDLLDADYMLK.Y + 2 Oxidation (M)	3
			K.GANFDKYAGQDIVSNASATTNCLAPLAK.V	3
			K.GVLGYTEDDVVSTDFNGEVCTSVFPAK.A	3
			K.GVLGYTEDDVVSTDFNGEVYTSVFPAK.A	3
			K.GANFDKYAGQDIVSNASCTTNCLAPLAK.V	3
3005	12	9	K.YGLDPQEER.L	2
			R.VGLIGYGYASK.T	2
			R.LPQEDWGYDMR.D + Oxidation (M)	2
			R.VILHGTMLAAAESAR.Y + Oxidation (M)	2
			K.HVVVDKPFTVTLSQLAR.E	3
			K.GLLAEGVLGEVAYFESHFDR.F	2
			K.GLLAEGVLGEVAYFESHFDR.F	2
			K.GLLAEGVLGEVAYFESHFDR.F	3
			R.VEETLLVPGNYPAYYAAIR.D	3
			R.VEETLLVPGNYPAYYAAIR.D	2
			K.TFHAPLIAGTPGQELAVISSDET.K.V	3
			K.HLFNDPNIDLIVIPTPNDFHPLAK.A	3
3005	15	9	K.VTKPVFVR.N	2
			K.LVGLVMTEK.G + Oxidation (M)	2

			R.YLLANDVAK.L	2
			K.AATLFNDAQR.Q	2
			K.AATLFNDAQR.Q	2
			K.AATLFNDAQR.Q	2
			R.VPEGIGETAIVQIR.N	3
			R.VPEGIGETAIVQIR.N	3
			R.VPEGIGETAIVQIR.N	2
			R.VPEGIGETAIVQIR.N	2
			R.ALVEAGVKPCGLGAR.D	3
			R.DDLSMIAVQGPNAQAK.A + Oxidation (M)	2
			R.DDLSMIAVQGPNAQAK.A + Oxidation (M)	3
			M.AQQTPLYEQHTLCGAR.M	2
			R.TDAGMFDVSHMTIVDLR.G + 2 Oxidation (M)	2
3008	18	6	K.LVGLVMTEK.G + Oxidation (M)	2
			K.LVGLVMTEK.G + Oxidation (M)	2
			K.LVGLVMTEK.G + Oxidation (M)	2
			R.YLLANDVAK.L	2
			R.YLLANDVAK.L	2
			K.AATLFNDAQR.Q	2
			K.AATLFNDAQR.Q	2
			K.AATLFNDAQR.Q	2
			K.AATLFNDAQR.Q	2
			R.VPEGIGETAIVQIR.N	2
			R.VPEGIGETAIVQIR.N	2
			R.VPEGIGETAIVQIR.N	2
			R.DDLSMIAVQGPNAQAK.A + Oxidation (M)	3
			R.DDLSMIAVQGPNAQAK.A + Oxidation (M)	2
			R.TDAGMFDVSHMTIVDLR.G + 2 Oxidation (M)	2
			R.TDAGMFDVSHMTIVDLR.G + 2 Oxidation (M)	3
			R.TDAGMFDVSHMTIVDLR.G + 2 Oxidation (M)	3
			R.TDAGMFDVSHMTIVDLR.G + 2 Oxidation (M)	3
3008	10	7	R.SPDITVGAI.R	2
			R.SPDITVGAI.R	2
			R.LQALEIINER.F	2
			K.AINPLEVEYVR.S	2
			R.ELLVNPPLENSR.N	2
			K.LNPGDVLPIEKPDR.I	2
			K.LNPGDVLPIEKPDR.I	3
			R.QVQHSQLELVANFADISLR.L + Gln->pyro-Glu (N-term)	3
			R.QVQHSQLELVANFADISLR.L	3
			K.DEPTASVSGESDIRPYDPNTQR.R	3
2055	28	21	K.LFIDNFDK.Y	2
			R.DTFWWADK.G	2
			R.DALLENVTVR.E	2
			R.DALLENVTVR.E	2
			R.DALLENVTVR.E	2
			R.RDALLENVTVR.E	2
			R.EDGTIDFDDGSK.T	2
			K.EAEPEIYN AIR.R	2
			K.GDVAVFFGLSGTGK.T	2

			K.YTDPAGAALVAAGPK.L	2
			R.FITEVAWQAHFVK.N	2
			K.GMF <u>S</u> MMNYLLPLK.G + 3 Oxidation (M)	2
			R.MQLIGGTWYGGEMK.K + 2 Oxidation (M)	2
			K.KGM <u>F</u> SMMNYLLPLK.G + 3 Oxidation (M)	2
			R.MQLIGGTWYGGEMKK.G + 2 Oxidation (M)	3
			K.VIFLTADAFGVLPPVSR.L	2
			K.VIFLTADAFGVLPPVSR.L	2
			K.VIFLTADAFGVLPPVSR.L	3
			K.VIFLTADAFGVLPPVSR.L	3
			R.GVLTNLGAVAVDTGIFTGR.S	2
			R.GVLTNLGAVAVDTGIFTGR.S	2
			R.EDGTIDFDDGSKTENTR.V	3
			R.LTADQTQYHFLSGFTAK.L	2
			R.LTADQTQYHFLSGFTAK.L	3
			K.EQGLNSENFVAFNLTER.M	2
			K.EQGLNSENFVAFNLTER.M	3
			R.VSYPIYHIDNIVKPVSK.A	3
			K.LFIDNFDKYTDPAGAALVAAGPK.L	3
2055	5	5	R.AGGPALLFENPK.G	2
			K.FVIVCDNDVNAR.D	2
			R.VAM <u>G</u> M <u>G</u> QEDVSALR.E + 2 Oxidation (M)	2
			R.DFLTLLEQQGELK.R	2
			K.GYS <u>M</u> PVLCNLFGTPK.R + Oxidation (M)	3
2055	5	5	K.ISNVPVPEDK.Q	2
			K.STPTLLSLMDEGVR.F + Oxidation (M)	2
			K.TNVAFSDFTPTEYSTK.G	2
			K.GYISDQLTDEAIGVVDRAK.T	3
			K.LISAMDFYPTALDAADISIPK.D + Oxidation (M)	2
2055	9	8	R.GIPADLEDR.R	2
			R.VEITGPVER.K	2
			K.VIDGQINLR.D	2
			K.VIASELGEER.F	2
			K.GSGPYFYLPK.T	2
			K.M <u>V</u> INALNANVK.V + Oxidation (M)	2
			R.QAVTMDKPFLNAYSRL	2
			R.QAVTMDKPFLNAYSRL + Oxidation (M)	3
			K.ATLLIETLPAVFQMDEILHALR.D + Oxidation (M)	3
1408	58	31	R.TFGFGAGR.E	2
			R.TFGFGAGR.E	2
			R.LAL <u>M</u> PQR.D + Oxidation (M)	2
			K.LDYYGLK.K	2
			K.LDYYGLK.K	2
			R.YIGPEVPK.E	2
			R.YIGPEVPK.E	2
			R.FDPEFEK.I	2
			R.FDPEFEK.I	2
			K.DFVAAWVK.V	2
			K.DFVAAWVK.V	2
			K.YEWWQTR.S	2

			R.VLGANFDGSK.N	2
			R.VLGANFDGSK.N	2
			R.DWDVNAAAVR.A	2
			R.DWDVNAAAVR.A	2
			R.VDLLNQHSNR.S	2
			K.VMNLDRFDLL.- + Oxidation (M)	2
			K.VMNLDRFDLL.- + Oxidation (M)	2
			K.VMNLDRFDLL.- + Oxidation (M)	2
			R.ADLVFGSNSVLR.A	2
			R.SNPLGEDFDYR.K	2
			R.SNPLGEDFDYR.K	2
			K.EFSKLDYYGLK.K	2
			K.ATDESKELFEGR.D	3
			K.ATDESKELFEGR.D	2
			R.KPTMLVTDLTLR.F + Oxidation (M)	2
			R.KPTMLVTDLTLR.F + Oxidation (M)	2
			R.KPTMLVTDLTLR.F + Oxidation (M)	3
			R.LDVSTTESLLIDK.A	2
			R.LDVSTTESLLIDK.A	2
			R.SNPLGEDFDYR.K	3
			R.SNPLGEDFDYR.K	3
			R.SNPLGEDFDYR.K	3
			R.SNPLGEDFDYR.K	2
			R.SNPLGEDFDYR.K	2
			R.SNPLGEDFDYR.K	2
			R.SNPLGEDFDYR.K	2
			R.SNPLGEDFDYR.K	2
			R.AVAEYASSDAHEK.F	3
			R.AVAEYASSDAHEK.F	2
			K.RKPTMLVTDLTLR.F + Oxidation (M)	3
			K.RKPTMLVTDLTLR.F + Oxidation (M)	2
			K.AASAAGLSIHVPFAPGR.V	2
			K.AASAAGLSIHVPFAPGR.V	3
			R.FLNDPQAFNEAFAR.A	2
			K.ASLADIIVLAGVVGVEK.A	2
			R.ARLDVSTTESLLIDK.A	3
			R.FAPLNSWPDNVSLDK.A	2
			R.RFLNDPQAFNEAFAR.A	2
			R.VGVLSNDFVNLDMR.Y + Oxidation (M)	2
			R.VGVLSNDFVNLDMR.Y + Oxidation (M)	3
			R.VGVLSNDFVNLDMR.Y + Oxidation (M)	3
			R.VGVLSNDFVNLDMR.Y + Oxidation (M)	2
			K.AQQLTLTAPEMTALVGGMR.V + 2 Oxidation (M)	2
			R.QDQTDIEMFELLEPIADGFR.N + Gln->pyro-Glu (N-te	2
			R.QDQTDIEMFELLEPIADGFR.N	3
			R.SPAGAIQFEAVDAPEIIPDPFDPK.K	3
			K.APLGATEMGLIYVNPEGPDHSGEPLSAAAAIR.A + Oxi	3
1408	35	23	R.IPGSFFR.R	2
			R.YAQVDVIK.S	2
			R.YAQVDVIK.S	2
			R.THGSALFTR.G	2

			R.GDISEFAPR.I	2
			K.AAVAGIAMGLVK.E + Oxidation (M)	2
			R.DGISALQMDIK.I + Oxidation (M)	2
			K.EIMQVALNQAK.G + Oxidation (M)	2
			K.EIMQVALNQAK.G + Oxidation (M)	2
			K.EGLVHISQIADK.R	2
			K.EGLVHISQIADK.R	3
			R.IVDFGAFVAIGGGK.E	2
			R.IVDFGAFVAIGGGK.E	2
			R.DAQVLDELMGER.T + Oxidation (M)	2
			R.DAQVLDELMGER.T + Oxidation (M)	2
			R.EGRPSEGETLIAR.L	2
			K.EGLVHISQIADKR.V	2
			R.GETQALVTATLGTAR.D	3
			R.GETQALVTATLGTAR.D	2
			K.VTDYLQMGQEVVK.V + Oxidation (M)	2
			K.VTDYLQMGQEVVK.V + Oxidation (M)	2
			K.VAGSRDGISALQMDIK.I + Oxidation (M)	3
			R.LHILGVMEQAINAPR.G + Oxidation (M)	2
			R.LHILGVMEQAINAPR.G + Oxidation (M)	2
			R.GVLAVMPDMDKFPYTVR.V + 2 Oxidation (M)	2
			K.FQYGQHTVTLETGMMAR.Q + 2 Oxidation (M)	3
			K.FQYGQHTVTLETGMMAR.Q + 2 Oxidation (M)	3
			K.AKPGQDFPLTVNYQER.T	3
			K.AKPGQDFPLTVNYQER.T	3
			R.ALTEETGTTIEIEDGTVK.I	2
			K.EATEQSQPAAAPEAPAAEQGE.-	2
			K.EATEQSQPAAAPEAPAAEQGE.-	2
			R.VGYINDQYVLNPTQDELK.E	2
			R.KFQYGQHTVTLETGMMAR.Q + 2 Oxidation (M)	3
			R.VGYINDQYVLNPTQDELKESK.L	3
1408	30	21	K.KGIIELSR.E	2
			R.EDVQAYVK.E	2
			K.ITPVVFIK.A + Oxidation (M)	2
			K.AVAAALEQMPR.F + Oxidation (M)	2
			K.TDITELEAFR.K	2
			R.FNSSLSEGGQR.L	2
			K.FGEIEEVELGR.I	2
			K.TDITELEAFRK.Q	2
			K_QEAAPAAAPAPAAGVK.E + Gln->pyro-Glu (N-term Q	2
			K_QEAAPAAAPAPAAGVK.E + Gln->pyro-Glu (N-term Q	2
			K_QEAAPAAAPAPAAGVK.E + Gln->pyro-Glu (N-term Q	2
			K_QEAAPAAAPAPAAGVK.E + Gln->pyro-Glu (N-term Q	2
			K.QEAAPAAAPAPAAGVK.E	2
			K.ASMIEVPAPFAGTVK.E + Oxidation (M)	2
			R.LMLPISLSFDHR.V + Oxidation (M)	2
			R.LMLPISLSFDHR.V + Oxidation (M)	3
			R.FITIINNTLSDIR.R	2
			K.VPDIGADEVEITEILVK.V	2
			K.SFAENDAYVHATPLIR.R	2

			K.SEFAENDAYVHATPLIR.R	2
			K.TGSLIMIFEVEGAAPAAAPAK.Q + Oxidation (M)	3
			K.TGSLIMIFEVEGAAPAAAPAK.Q + Oxidation (M)	2
			K.DVNVPDIGSDEVEVTEILVK.V	2
			K.EVNVPDIGGDEVEVTEVMVK.V + Oxidation (M)	2
			K.VSTGSLIMVFEVAGEAGAAAPAAK.Q + Oxidation (M)	2
			K.AEGKSEFAENDAYVHATPLIR.R	3
			K.TQTGALIMIFDSADGAADAAPAQAEEK.K + Oxidation	3
			K.TQTGALIMIFDSADGAADAAPAQAEEK.K + Oxidation	3
			K.TQTGALIMIFDSADGAADAAPAQAEEKK.E + Oxidation	3
			K.VAAEQSLITVEGDKASMEVPAPFAGVVK.E + Oxidation	3
1307	5	4	R.KVPVMIHR.A + Oxidation (M)	2
			M.PVITLPDGSQR.H	2
			M.PVITLPDGSQR.H	2
			R.LSASYVGEDNER.K	2
			R.LVYDMYSTFGFEK.I + Oxidation (M)	2
2048	22	16	R.DTFWWADK.G	2
			R.DALLENTVTR.E	2
			R.DTFWWADK.G	2
			R.EDGTIDFDDGSK.T	2
			R.EDGTIDFDDGSK.T	2
			K.EAEPEIYN AIR.R	2
			K.YTDTPAGAALVAAGPK.L	3
			K.YTDTPAGAALVAAGPK.L	2
			K.GMFSSMMNYLLPLK.G + 3 Oxidation (M)	2
			R.MQLIGGTWYGGEMK.K + 2 Oxidation (M)	2
			R.LFVVDAFCGANPDTR.L	2
			R.MQLIGGTWYGGEMK.K.G + 2 Oxidation (M)	2
			R.MQLIGGTWYGGEMK.K.G + 2 Oxidation (M)	3
			K.VIFLTADAFGLPVPVSR.L	2
			K.VIFLTADAFGLPVPVSR.L	2
			K.VIFLTADAFGLPVPVSR.L	3
			K.NDNKPLSPETWQHKL.G	3
			R.GVLTLNLGAVAVDTGIFTGR.S	2
			R.GVLTLNLGAVAVDTGIFTGR.S	2
			R.EDGTIDFDDGSKTENTR.V	3
			R.LTADQTQYHFLSGFTAK.L	3
			K.LFIDNFDKYTDTPAGAALVAAGPK.L	3
2048	15	11	R.GIPADLEDR.R	2
			R.GIPADLEDR.R	2
			R.VEITGPVER.K	2
			K.VIDGQINLR.D	2
			K.VIASELGEER.F	2
			K.VIASELGEER.F	2
			K.GSGPYFYLPK.T	2
			R.RVEITGPVER.K	2
			R.KMVINALNANVK.V + Oxidation (M)	3
			R.KMVINALNANVK.V + Oxidation (M)	2
			R.DAVNGTISYTNEAGK.I	2
			R_QAVTMDKPFLNAYSRL + Gln->pyro-Glu (N-term Q);	2

			R.QMLGEE <u>M</u> KVIASELGEER.F + Gln->pyro-Glu (N-term)	3
			R.QMLGEE <u>M</u> KVIASELGEER.F + 2 Oxidation (M)	3
			M.TEQATTTDELAFTRPYGEQEK.Q	3
979	62	38	K.GVLNDLAK.Q	2
			R.GTLADILK.A	2
			R.WTGIPVSR.M	2
			K.YTIDLTER.A	2
			R.TDINQALNR.L	2
			K.TAIVEGLAQR.I	2
			K.TAIVEGLAQR.I	2
			K.TAIVEGLAQR.I	2
			K.TAIVEGLAQR.I	2
			R.IDMSEF <u>M</u> EK.H + 2 Oxidation (M)	2
			K.QLEAATQLEGK.T + Gln->pyro-Glu (N-term Q)	2
			K.QLEAATQLEGK.T	2
			K.QLEAATQLEGK.T	2
			K.QLEAATQLEGK.T	2
			R.FGELDYAH <u>M</u> K.E + Oxidation (M)	3
			R.FGELDYAH <u>M</u> K.E + Oxidation (M)	3
			R.FGELDYAH <u>M</u> K.E + Oxidation (M)	2
			R.FGELDYAH <u>M</u> K.E + Oxidation (M)	3
			R.FGELDYAH <u>M</u> K.E + Oxidation (M)	2
			K.VTDAEIAEVLAR.W	2
			K.NNPVLIGEPGVGK.T	2
			R.LD <u>M</u> LNEELSDK.E + Oxidation (M)	2
			R.LD <u>M</u> LNEELSDK.E + Oxidation (M)	2
			R.VLALD <u>M</u> GALVAGAK.Y + Oxidation (M)	2
			K.AIDLIDEAASSIR.M	2
			K.AIDLIDEAASSIR.M	2
			K.AIDLIDEAASSIR.M	2
			R.GYEIHISDEALK.L	2
			R.GYEIHISDEALK.L	3
			R. <u>M</u> QIDSKPEELDR.L + Oxidation (M)	3
			K.RD <u>M</u> LNEELSDK.E + Oxidation (M)	3
			R.RVLALD <u>M</u> GALVAGAK.Y + Oxidation (M)	3
			R.TKNNPVLIGEPGVGK.T	2
			R.TKNNPVLIGEPGVGK.T	3
			R.NKVTDAEIAEVLAR.W	3
			R.RPYSVILLDEVEK.A	2
			R.VIGQNEAVDAVSNAIR.R	2
			R.VIGQNEAVDAVSNAIR.R	2
			R.QYSELEEEWKAEK.A	3
			R. <u>M</u> SELQYGKIPELEK.Q + Oxidation (M)	3
			R.RRPYSVILLDEVEK.A	3
			R.RRPYSVILLDEVEK.A	3
			K.ADGAM <u>D</u> AGN <u>M</u> LKPALAR.G + 2 Oxidation (M)	3
			K.ADGAM <u>D</u> AGN <u>M</u> LKPALAR.G + 2 Oxidation (M)	3
			K.ALANF <u>M</u> FDSDEAMVR.I + 2 Oxidation (M)	2
			K.VFVAEPSVEDTIAILR.G	2
			K.VFVAEPSVEDTIAILR.G	2

			K.VFVAEPSVEDTIALR.G	3
			K.AAGATTANITQAIEQMR.G + Oxidation (M)	3
			K.AAGATTANITQAIEQMR.G + Oxidation (M)	3
			K.AHPDVFNILLQVLDGGR.L	3
			R.GDNFISSELFVLAALSR.G	2
			R.LPQVEGTGGDVQPSQDLVR.V	2
			R.LPQVEGTGGDVQPSQDLVR.V	3
			R.NTVVIMTSNLGSDLIQER.F + Oxidation (M)	2
			R.NTVVIMTSNLGSDLIQER.F + Oxidation (M)	3
			K.ELVLGVVSHNFRPEFINR.I	3
			K.ELVLGVVSHNFRPEFINR.I	3
			K.QEGNVILFIDELHTMVGAGK.A + Gln->pyro-Glu (N-te	2
			K.QEGNVILFIDELHTMVGAGK.A	3
			R.LVGAPPGYVGYEEGGYLTEAVR.R	2
			R.LVGAPPGYVGYEEGGYLTEAVR.R	3
979	14	14	K.LAASIAFK.E	2
			R.AGDIAAAIGLK.D	2
			R.ASYTMEFLK.Y + Oxidation (M)	2
			K.AKPVLLEPIMK.V + Oxidation (M)	2
			K.GGVIPGEYIPAVDK.G	2
			K.YLGGEELTEAEIK.G	2
			K.AGPLAGYPVDMGIR.L + Oxidation (M)	2
			K.IATDPFVGNLTFFR.V	2
			R.MEFPEPVISIAVEPK.T + Oxidation (M)	2
			K.YDEAPSNVAQAVIEAR.G	2
			R.EFNVEANVGKQVAYR.E	3
			K.VEVETPEENTGDVIGLSR.R	2
			R.INIIDTPGHVDFTIEVER.S	3
			R.GQYGHVVIDMYPLEPGSNPK.G + Oxidation (M)	3
2348	63	25	R.GAIFGLTR.G	2
			R.GAIFGLTR.G	2
			R.DGLEDYIR.S	2
			R.ETTIVWEK.E	2
			R.ETTIVWEK.E	2
			R.ETTIVWEK.E	2
			R.ETTIVWEK.E	2
			R.EFEQIYPK.L	2
			R.EFEQIYPK.L	2
			K.MLEVLDIRP.E + Oxidation (M)	2
			K.MLEVLDIRP.E + Oxidation (M)	2
			K.RDGLDYIR.S	2
			K.RDGLDYIR.S	2
			K.WILDHVEGSR.E	2
			K.WILDHVEGSR.E	2
			K.WILDHVEGSR.E	2
			R.ATLESIAQTR.D	2
			R.ATLESIAQTR.D	2
			R.VHVTDYTNASR.T	3
			R.VHVTDYTNASR.T	2
			R.EFRPGIETTER.N	2

			R.EFRPGIETTER.N	2
			R.SSEVYGQTNIGGK.G	2
			K.YIVALDQGTSSR.A	2
			K.YIVALDQGTSSR.A	2
			R.DVLEAMQADSGIR.L + Oxidation (M)	2
			R.DVLEAMQADSGIR.L + Oxidation (M)	2
			R.DVLEAMQADSGIR.L + Oxidation (M)	2
			R.DVLEAMQADSGIR.L + Oxidation (M)	2
			R.DVLEAMQADSGIR.L + Oxidation (M)	2
			R.DVLEAMQADSGIR.L + Oxidation (M)	2
			R.DVLEAMQADSGIR.L + Oxidation (M)	2
			R.DVLEAMQADSGIR.L + Oxidation (M)	2
			R.RSSEVYGQTNIGGK.G	3
			K.KYIVALDQGTSSR.A	3
			R.SNTGLVIDPYFSGTK.V	2
			K.LINDAYDSEYFATK.V	2
			K.LINDAYDSEYFATK.V	2
			K.LINDAYDSEYFATK.V	2
			R.TMLFNIHTLDWDDK.M + Oxidation (M)	2
			R.TMLFNIHTLDWDDK.M + Oxidation (M)	3
			R.TMLFNIHTLDWDDK.M + Oxidation (M)	3
			R.AVVMHDHANIISVSQR.E + Oxidation (M)	2
			R.AVVMHDHANIISVSQR.E + Oxidation (M)	2
			R.AVVMHDHANIISVSQR.E + Oxidation (M)	3
			K.ADISSDQIAAIGITNQR.E	2
			K.ADISSDQIAAIGITNQR.E	3
			K.ADISSDQIAAIGITNQR.E	2
			K.ADISSDQIAAIGITNQR.E	3
			K.ETGKPIYNAIVWQCR.R	3
			K.ETGKPIYNAIVWQCR.R	3
			K.ETGKPIYNAIVWQCR.R	3
			K.NTYGTGCFMLMNTGEK.A + 2 Oxidation (M)	2
			K.NTYGTGCFMLMNTGEK.A + 2 Oxidation (M)	2
			K.NTYGTGCFMLMNTGEK.A + 2 Oxidation (M)	2
			K.NTYGTGCFMLMNTGEK.A + 2 Oxidation (M)	2
			R.IPISGIAGDQQAALFGQLCVK.E	2
			R.IPISGIAGDQQAALFGQLCVK.E	3
			R.IPISGIAGDQQAALFGQLCVK.E	2
			R.VDGGAVANNFLMQFQSDILGTR.V	3
			R.VDGGAVANNFLMQFQSDILGTR.V + Oxidation (M)	3
			R.VDGGAVANNFLMQFQSDILGTR.V + Oxidation (M)	3
			K.LGWVEHDPMEIWATQSSTLVEVLAK.A	2
2467	18	11	K.TIDLGLER.V	2
			K.TIDLGLER.V	2
			K.TIDLGLER.V	2
			R.FQIVSESPR.V	2
			R.VLAVIGMLHDK.D + Oxidation (M)	2
			K.VGVYSSPHLVR.Y	2
			K.VGVYSSPHLVR.Y	2
			K.VGVYSSPHLVR.Y	2

			R.ASGLEVSENAIR.D	2
			R.TLESILMAAGYK.V + Oxidation (M)	2
			R.TLESILMAAGYK.V + Oxidation (M)	2
			R.GATAEQLEHLGNGK.S	3
			R.VIFDVAHNPHAAEYLTGR.M	3
			R.DGIASAILPGRFQIVSESPR.V	3
			R.VQGKELPESAHTASFAIESAR.G	3
			R.SEKPAIVGEPEMPSTIADVAQEK.G + Oxidation (M)	3
			R.SEKPAIVGEPEMPSTIADVAQEK.G + Oxidation (M)	3
			R.SEKPAIVGEPEMPSTIADVAQEK.G + Oxidation (M)	3
2467	23	13	R.DHFAILK.V	2
			R.DHFAILK.V	2
			R.GLTEALTR.V	2
			R.GLTEALTR.V	2
			R.GLTEALTR.V	2
			R.GLTEALTR.V	2
			R.GLTEALTR.V	2
			R.GLTEALTR.V	2
			R.YYWPHSR.I	2
			K.VGPALTFALR.E	2
			K.SVELVKEYVR.A	2
			R.TGFNDSLDIR.Y	2
			R.TGFNDSLDIR.Y	2
			R.TGFNDSLDIR.Y	2
			R.IQSGELSAIPHQLIMDK.I + Oxidation (M)	2
			R.IQSGELSAIPHQLIMDK.I + Oxidation (M)	2
			R.EAIFALAQIEQELIAPENR.S	2
			R.EAIFALAQIEQELIAPENR.S	3
			K.IHLDASMSCAGDPIPLAPETVAER.A + Oxidation (M)	3
			K.VLIEATSNQVNQFGGYTGMPADFR.E + Oxidation (M)	3
			R.KVLIEATSNQVNQFGGYTGMPADFR.E + Oxidation (M)	3
			K.NSVETMMVNLEGVDIPLGMISQYLPK.Q + 3 Oxidation	3
			R.IKNSVETMMVNLEGVDIPLGMISQYLPK.Q + 3 Oxidation	3
3721	24	9	K.VIIETGELK.D	2
			K.EACAAANVLLK.V	2
			K.EACAAANVLLK.V	2
			R.FGASSLLASLLK.A	2
			R.FGASSLLASLLK.A	2
			K.TPVGNTAAICIYPR.F	2
			R.IMMEVIRDMGVEK.T + 3 Oxidation (M)	2
			R.IMMEVIRDMGVEK.T + 3 Oxidation (M)	2
			R.IMMEVIRDMGVEK.T + 3 Oxidation (M)	2
			R.IMMEVIRDMGVEK.T + 3 Oxidation (M)	2
			R.AL M MAGNEQVGF D LVK.A + Oxidation (M)	2
			R.AL M MAGNEQVGF D LVK.A + Oxidation (M)	2
			R.AL M MAGNEQVGF D LVK.A + Oxidation (M)	2
			K.VIIETGELKDEALIR.K	2
			K.VIIETGELKDEALIR.K	2
			K.VIIETGELKDEALIR.K	2
			K.VIIETGELKDEALIR.K	2

			K.LMDLTTLNDDDTDEK.V + Oxidation (M)	2
			K.LMDLTTLNDDDTDEK.V + Oxidation (M)	2
			K.LMDLTTLNDDDTDEK.V + Oxidation (M)	2
			K.LMDLTTLNDDDTDEK.V + Oxidation (M)	2
			K.LMDLTTLNDDDTDEK.V + Oxidation (M)	2
			R.AAIAYGADEVVFPYR.A	2
			R.AAIAYGADEVVFPYR.A	2
3031	21	13	R.DVVSIPVTVK.T	2
			R.AMYPYIER.E + Oxidation (M)	2
			R.AMYPYIER.E + Oxidation (M)	2
			R.KAWLSGLSPK.E	2
			R.EIPPLDYPR.V	2
			R.EIPPLDYPR.V	2
			R.EIPPLDYPR.V	2
			K.AGADINVLEHALK.L	2
			K.AGADINVLEHALK.L	3
			R.HMLGLFQGIPGAR.Q + Oxidation (M)	3
			R.HMLGLFQGIPGAR.Q + Oxidation (M)	2
			K.AMRDVVSIPVTVK.T + Oxidation (M)	3
			R.FSVAPMLDWTDR.H + Oxidation (M)	2
			R.ELSQTGLGHITR.H	2
			R.ELSQTGLGHITR.H	3
			R.EAYQNPGILAAVDR.E	2
			R.EIFGSSDADPVAVVR.A	2
			R.NTLLYTEMVTTGAIHKG.G + Oxidation (M)	2
			R.NTLLYTEMVTTGAIHKG.G + Oxidation (M)	3
			R.NTLLYTEMVTTGAIHKG.G + Oxidation (M)	3
			R.IGIDDQDSYEFCLNFINTVSGK.G	3
2062	19	12	K.TAAILLDTK.G	2
			K.RSDVIEIR.E	2
			K.LEGGNDVSLK.A	2
			K.EITSTDDFYR.L	2
			K.EITSTDDFYR.L	2
			K.AHGGENIHIISK.I	2
			K.LDAPLIVVATQGGK.S	2
			K.LDAPLIVVATQGGK.S	2
			R.TMKLEGGNDVSLK.A + Oxidation (M)	3
			R.TMKLEGGNDVSLK.A + Oxidation (M)	2
			K.TAAILLDTKGPEIR.T	2
			K.TAAILLDTKGPEIR.T	2
			K.TAAILLDTKGPEIR.T	3
			K.TAAILLDTKGPEIR.T	3
			R.LNFSGDYAEHGQR.I	3
			R.GDLGVEIPVEEVIFAQK.M	2
			R.GAVETAEKLDAPLIVVATQGGK.S	3
			R.AEAGDVANAILDGTDV <u>M</u> LSGESAK.G + Oxidation (M)	3
			R.AEAGDVANAILDGTDV <u>M</u> LSGESAK.G + Oxidation (M)	2
2062	18	13	K.VLSFESK.V	2
			K.VLYGALPR.T	2
			K.VLYGALPR.T	2

			-. <u>M</u> EALLQLK.G + Oxidation (M)	2
			-. <u>M</u> EALLQLK.G + Oxidation (M)	2
			K. <u>E</u> NMSLTALR.Y + Oxidation (M)	2
			K.VLILDEPTR.G	2
			K.VLILDEPTR.G	2
			K.ALSGAALNVYPGR.V	2
			R.KGEILGVSGLMGAGR.T + Oxidation (M)	3
			K.HADEQQAVSDFIR.L	3
			R.EQATQEVLM MAAV GK.L + Oxidation (M)	2
			R.TSGYVTLDGHEVVTR.S	2
			R.TSGYVTLDGHEVVTR.S	2
			R.TSGYVTLDGHEVVTR.S	3
			K.TPS <u>M</u> EQAIGLLSGGNQQK.V + Oxidation (M)	2
			R.EVASLTEDSLIEM MMV GR.K + 2 Oxidation (M)	2
			K.VII <u>M</u> DEPTDALDTETESLFR.V + Oxidation (M)	2
2400	28	13	K.L <u>M</u> DLSINK.N + Oxidation (M)	2
			K.L <u>M</u> DLSINK.N + Oxidation (M)	2
			K.L <u>M</u> DLSINK.N + Oxidation (M)	2
			R.YWDVELR.E	2
			K.LQGIAQQNSFK.-	2
			K.LQGIAQQNSFK.-	2
			K.LQGIAQQNSFK.-	2
			K.EEYPQSAIDL.R.C	2
			R.EIP <u>M</u> RPQQLF <u>M</u> DPK.R + 2 Oxidation (M)	2
			R.EIP <u>M</u> RPQQLF <u>M</u> DPK.R + 2 Oxidation (M)	3
			R.CVN <u>M</u> VADLWHAPAPK.N + Oxidation (M)	2
			K.DGEDPGYTYDLSER.L	2
			K.DGEDPGYTYDLSER.L	2
			R.GF <u>M</u> DFAELLLEDYK.A + Oxidation (M)	2
			R.GF <u>M</u> DFAELLLEDYK.A + Oxidation (M)	2
			R.GF <u>M</u> DFAELLLEDYK.A + Oxidation (M)	2
			K.VQNASYQVAAYLADEIAK.L	2
			K.VQNASYQVAAYLADEIAK.L	2
			K.VQNASYQVAAYLADEIAK.L	2
			K.VQNASYQVAAYLADEIAK.L	2
			K.VQNASYQVAAYLADEIAK.L	2
			K.VQNASYQVAAYLADEIAK.L	2
			K.LKDGEDPGYTYDLSER.L	3
			K.LKDGEDPGYTYDLSER.L	2
			R.RGF <u>M</u> DFAELLLEDYK.A + Oxidation (M)	3
			K.NWIDKEEYPQSAIDL.R.C	3
			K.NGQAVGTNTIGSSEAC <u>M</u> LGG <u>M</u> AMK.W + 3 Oxidation (M)	3
			K.LGPYFICTGRPDEGIPAVCFK.L	3
			K.LGPYFICTGRPDEGIPAVCFK.L	3
2400	19	15	K.VTLPEFER.A	2
			R.ISPEAPVPVK.V	2
			R.ISPEAPVPVK.V	2
			R.LVGLTGIDDAAR.A	2
			R.LIVAVNSDASTK.R	2
			R.LIVAVNSDASTK.R	2
			R.LIAGILPDLLVK.G	2

			-.MKVTLPEFER.A + Oxidation (M)	3
			R.SEQGM <u>S</u> LLQPGK.A + Oxidation (M)	2
			K.GDSRPVNP <u>L</u> EQR.M	3
			R.AGVM <u>V</u> VDV <u>M</u> LDR.Y + 2 Oxidation (M)	2
			R.ADTGFGV <u>M</u> TEEEK.L + Oxidation (M)	2
			K.LGTSTVSP <u>I</u> ELENAVR.G	2
			R.GATLLTPNLSEFEAVVGK.C	2
			R.INQALSSIGALVLSDYAK.G	2
			R.LDFEEGFEGVDPQPLHER.I	3
			R.LDFEEGFEGVDPQPLHER.I	3
			R.ADTGFGVMTEEEKLAVAAAR.K	3
			K.VNTIEERPGGAANVAMNIASLGANAR.L + Oxidation (M)	3
1166	57	31	R.SYYLDR.G	2
			K.AVVTPLPR.N	2
			K.AVVTPLPR.N	2
			K.AVVTPLPR.N	2
			K_QNLEASGVR.V + Gln->pyro-Glu (N-term Q)	2
			K.LAGDLETLR.S	2
			K.LAGDLETLR.S	2
			R.GYFPTDGSR.V	2
			R.GYFPTDGSR.V	2
			R.DGDTLLVQVK.E	2
			R.DGDTLLVQVK.E	2
			R.DGDTLLVQVK.E	2
			R.DGDTLLVQVK.E	2
			K.DIHFEGLQR.V	2
			K.DIHFEGLQR.V	2
			K.DIHFEGLQR.V	2
			K.DIHFEGLQR.V	2
			K.IEPGELYNGTK.V	2
			K.IEPGELYNGTK.V	2
			K.IEPGELYNGTK.V	2
			K.QKLAGDLETLR.S	3
			K.GLEDFYYSVGK.Y	2
			K.GLEDFYYSVGK.Y	2
			R.VAVGAALLS <u>M</u> PVR.T + Oxidation (M)	2
			R.ALFATGNFEDVR.V	2
			R.ALFATGNFEDVR.V	2
			K.VTIPGSDNEYK.V	2
			K.VTIPGSDNEYK.V	2
			R.VPGSPDQVDVVYK.V	2
			R.VPGSPDQVDVVYK.V	2
			R.VPGSPDQVDVVYK.V	2
			R.FEGNDTSKDAVLR.R	3
			R.VLRDGDLLVQVK.E	3
			R.VLRDGDLLVQVK.E	2
			K.ERPTIASITFSGNK.S	3
			K.ERPTIASITFSGNK.S	2
			R.LGFFETVDTDTQR.V	2
			R.FNIDSTQVSLTPDK.K	2

			R.TGDTVNDEDISNTIR.A	2
			R.TGDTVNDEDISNTIR.A	2
			R.TGDTVNDEDISNTIR.A	2
			R.VQSMPEINDADKTVK.L + Oxidation (M)	3
			R.VQSMPEINDADKTVK.L + Oxidation (M)	2
			R.VQSMPEINDADKTVK.L + Oxidation (M)	3
			R.FNIDSTQVSLTPDKK.G	3
			R.FNIDSTQVSLTPDKK.G	2
			K.YDGDKAEQFQFNIGK.T	3
			K.VTLDTATYVPIDDDHK.W	2
			K.VTLDTATYVPIDDDHK.W	2
			K.EMPYENFYAGGSSTVR.G + Oxidation (M)	3
			K.EMPYENFYAGGSSTVR.G + Oxidation (M)	2
			K.SYGTDVTLGFPINEYNSLR.A	2
			R.TTIADIEKGLDFYYSVGK.Y	3
			R.YLYSMGEHPSTSDQDNSFK.T + Oxidation (M)	3
			K.LSGVEVSGNLAGHSAEIEQLTK.I	3
			R.LFYNDFQADDADLSDYTNK.S	2
			K.AVYFPHQASNYDPDYECATQDGAK.D	3
1571	32	20	K.GMFLPDR.F + Oxidation (M)	2
			K.GMFLPDR.F + Oxidation (M)	2
			R.LTLDLGGEK.R	2
			R.LTLDLGGEK.R	2
			R_QVEALVEASK.E + Gln->pyro-Glu (N-term Q)	2
			R.QVEALVEASK.E	2
			R.QVEALVEASK.E	2
			R.QVEALVEASK.E	2
			R.QVEALVEASK.E	2
			R_QLSELIYSR.L + Gln->pyro-Glu (N-term Q)	2
			R.QLSELIYSR.L	2
			K.SVMSGATPVMR.D + Oxidation (M)	2
			R.TISQLYDPEK.G	2
			R.EIMALADLANR.Y + Oxidation (M)	2
			R.EIMALADLANR.Y + Oxidation (M)	2
			R.HTIMVANLAPR.K + Oxidation (M)	2
			R.SAYDPQALIGR.H	2
			R.SAYDPQALIGR.H	2
			R.VLMTYLKPVLPK.L + Oxidation (M)	3
			R.VLMTYLKPVLPK.L + Oxidation (M)	3
			R.VLMTYLKPVLPK.L + Oxidation (M)	2
			R.FGISEGMVMAAGPGGK.D + 2 Oxidation (M)	2
			R_QVEALVEASKEEVK.A + Gln->pyro-Glu (N-term Q)	2
			R.VALIENAEFVEGSDK.L	2
			R.DAPYFGFEIPNAPGK.Y	2
			K.ASTWLNHFADSLR.Y	3
			R.IDDIDLNLEDFVQR.V	2
			R.IDDIDLNLEDFVQR.V	2
			R.FDGLASELADPQLYK.T	2
			R.FDGLASELADPQLYK.T	3
			K.TFTDAAEVIGEAWESR.E	2
			K.RFDGLASELADPQLYK.T	3

			K.AAAAPVTGPLADDPIQETITFDDFAK.V	3
2169	39	22	R.MGEIIDA.K.C + Oxidation (M)	2
			R.MGEIIDA.K.C + Oxidation (M)	2
			R.MGEIIDA.K.C + Oxidation (M)	2
			R.MTLTEIVAK.I + Oxidation (M)	2
			R.MTLTEIVAK.I + Oxidation (M)	2
			K.QIIATGEGAK.A + Gln->pyro-Glu (N-term Q)	2
			K.QIIATGEGAK.A	2
			K.QIIATGEGAK.A	2
			K.EAQSLEQIR.H	2
			K.ALSAFDYLR.T	2
			K.ALSAFDYLR.T	2
			K.ALSAFDYLR.T	2
			K.ELLAIEAELSDK.V	2
			R.NMNVPGEDKYR.T + Oxidation (M)	2
			R.NVMGVPAVFNKGK.E + Oxidation (M)	2
			K.WRNMNVPGEDK.Y + Oxidation (M)	2
			K.VTFKEDNSLPVR.K	2
			K.GVFAAGDCTVYPK.Q	2
			K.NVDIILNAQTTEVK.G	2
			K.NVDIILNAQTTEVK.G	2
			K.NVDIILNAQTTEVK.G	2
			R.KPSFLITNPGSNQGP.R.F	3
			K.LTKPVELIATLDDSAK.S	3
			K.LTKPVELIATLDDSAK.S	3
			K.LTKPVELIATLDDSAK.S	2
			K.ELLAIEAELSDKVTFK.E	3
			K.NVDIILNAQTTEVKGDGSK.V	3
			K.VHVDEYDVIDSQSASK.L	2
			K.VHVDEYDVIDSQSASK.L	3
			K.VHVDEYDVIDSQSASK.L	2
			K.VHVDEYDVIDSQSASK.L	3
			R.IKHTAIDGGTFQNEITDR.N	3
			R.NVMGVPAVFNKGKEFGQGR.M + Oxidation (M)	3
			R.FGGQILDVTDIENYISVPK.T	2
			K.LIPAAVEGGLHQIETASGAVLK.A	3
			K.LIPAAVEGGLHQIETASGAVLK.A	3
			R.DAYDVLIVGSGPAGAAAAIYSAR.K	2
			R.DAYDVLIVGSGPAGAAAAIYSAR.K	3
			R.DAYDVLIVGSGPAGAAAAIYSAR.K	3
2169	16	12	R.FGAPSYNR.L	2
			R.ANALLADGLK.G	2
			R.ANALLADGLK.G	2
			K.LVEVPVGFK.W	2
			K.TLVSSAMIDR.V + Oxidation (M)	2
			K.TLVSSAMIDR.V + Oxidation (M)	2
			K.EAVEIVSEVLK.N	2
			R.LTAAPGNGASIGGLK.V	2
			R.ISLDEAMASGHVK.E + Oxidation (M)	3
			K.RISLDEAMASGHVK.E + Oxidation (M)	3

			R.DKFDLAFANDPDYDR.H	3
			K.LSPEMVSASTLAGDPITAR.L + Oxidation (M)	2
			K.LSPEMVSASTLAGDPITAR.L + Oxidation (M)	3
			K.LSPEMVSASTLAGDPITAR.L + Oxidation (M)	3
			K.LSPEMVSASTLAGDPITAR.L + Oxidation (M)	3
			K.GGPLADGIVITPSHNPPEDGGIK.Y	3
			K.EQDLVQPFVEGLADIVDMAAIQK.A + Oxidation (M)	3
2105	25	16	R.TSIWTR.I	2
			R.TSIWTR.I	2
			K.VVDFVVR.F	2
			K.LFAEMGFK.C + Oxidation (M)	2
			K.LFAEMGFK.C + Oxidation (M)	2
			R.FAEVFER.Y	2
			R.YGFIYVNK.H	2
			R.KVDFVVR.F	2
			R.YVFTDVQLR.G	2
			R.YVFTDVQLR.G	2
			K.MEDGDLVLR.E + Oxidation (M)	2
			K.MEDGDLVLR.E + Oxidation (M)	2
			K.MEDGDLVLR.E + Oxidation (M)	2
			K.MEDGDLVLR.E + Oxidation (M)	2
			R.YALCELYER.Y	2
			K.VEEDGSINDDYR.I	2
			K.VEEDGSINDDYR.I	2
			K.VEEDGSINDDYR.I	2
			K.FYDDMFDELLK.Y + Oxidation (M)	2
			K.FYDDMFDELLK.Y + Oxidation (M)	2
			K.FYDDMFDELLK.Y + Oxidation (M)	2
			K.GPSICDVLTTGAHVPR.E	3
			K.YYPNHEAVDFYGHYK.E	3
			R.YQRPLFIVENGFGAYDK.V	3
			K.AEGGTGDAISGFEGSVPNPYVK.A	2
2105	15	13	K.VMVLQIR.R + Oxidation (M)	2
			K.FITDVER.L	2
			K.ADIVGVSSLR.R	2
			K.ADIVGVSSLR.R	2
			R.LFQPSPFFL.-	2
			R.KADIVGVSSLR.R	2
			K.LPPGTIIGAVVR.G	2
			R.GNDVMIANDNLR.I + Oxidation (M)	2
			R.IMLVGGGNIGAGLAR.R + Oxidation (M)	2
			R.IEQGDHVMFLTDK.K + Oxidation (M)	3
			K.AYYGGPLIGNALSTMRE.E + Oxidation (M)	2
			R.GVAEAEVAHGDESTSR.V	3
			R.GVAEAEVAHGDESTSR.V	3
			R.LIEYPGALQVNFAGK.V	2
			R.RGVAEAEVAHGDESTSR.V	3
2163	61	27	R.SIVATGAK.W	2
			K.EDNSLPVR.K	2
			R.MGEIIDA.K + Oxidation (M)	2
			R.MGEIIDA.K + Oxidation (M)	2

R.MGEIIDAK.C + Oxidation (M)	2
R.MTLTEIVAK.I + Oxidation (M)	2
R.MTLTEIVAK.I + Oxidation (M)	2
R.MTLTEIVAK.I + Oxidation (M)	2
R.MTLTEIVAK.I + Oxidation (M)	2
K.QIIATGEGAK.A + Gln->pyro-Glu (N-term Q)	2
K.QIIATGEGAK.A	2
K.QIIATGEGAK.A	2
K.EAQLLEQIR.H	2
K.EAQLLEQIR.H	2
K.ALSAFDYLR.T	2
K.ALSAFDYLR.T	2
K.ELLAEIAELSDK.V	2
K.ELLAEIAELSDK.V	2
R.NMNVPGEDQYR.T + Oxidation (M)	2
K.VTFKEDNSLPVR.K	2
K.VTFKEDNSLPVR.K	3
K.GVFAAGDCTVPYK.Q	2
K.GVFAAGDCTVPYK.Q	2
K.NVDIILNAQTTEVK.G	2
K.NVDIILNAQTTEVK.G	2
R.KPSFLITNPGSNQGPR.F	3
K.LTKPVELIATLDDSAK.S	3
K.LTKPVELIATLDDSAK.S	3
K.LTKPVELIATLDDSAK.S	2
K.LTKPVELIATLDDSAK.S	2
K.LTKPVELIATLDDSAK.S	3
K.LTKPVELIATLDDSAK.S	3
K.HTAIDGGTFQNEITDR.N	2
K.ELLAEIAELSDKVTFK.E	2
K.SAEIKELLAIEIAELSDK.V	3
K.SAEIKELLAIEIAELSDK.V	2
K.NVDIILNAQTTEVKGDGSK.V	2
K.NVDIILNAQTTEVKGDGSK.V	3
K.VHVDEYDVIDSQSASK.L	2
K.VHVDEYDVIDSQSASK.L	3
K.VHVDEYDVIDSQSASK.L	3
R.IKHTAIDGGTFQNEITDR.N	3
R.NVMGVPAVFNKGKEFGQGR.M + Oxidation (M)	3
R.FGGQILDTVDIENYISVPK.T	2
R.FGGQILDTVDIENYISVPK.T	2
R.FGGQILDTVDIENYISVPK.T	2
K.LIPAAVEGGLHQIETASGAVLK.A	2
K.LIPAAVEGGLHQIETASGAVLK.A	2
K.LIPAAVEGGLHQIETASGAVLK.A	3
K.LIPAAVEGGLHQIETASGAVLK.A	3
K.LIPAAVEGGLHQIETASGAVLK.A	3
K.LIPAAVEGGLHQIETASGAVLK.A	3
R.DAYDVLIVGSGPAGAAAAIYSAR.K	2
R.DAYDVLIVGSGPAGAAAAIYSAR.K	2

			R.DAYDVLIVGSGPAGAAAAIYSAR.K	2
			R.DAYDVLIVGSGPAGAAAAIYSAR.K	3
			R.DAYDVLIVGSGPAGAAAAIYSAR.K	3
			R.DAYDVLIVGSGPAGAAAAIYSAR.K	2
			R.FGGQILDTVDIENYISVPKTEGQK.L	3
			R.VAVIGGGNSGVEAAIDLAGIVEHVTLLLEFAPEMK.A + Oxid	3
			R.VAVIGGGNSGVEAAIDLAGIVEHVTLLLEFAPEMK.A + Oxid	3
2148	31	17	R.SIIVATGAK.W	2
			K.EDNSLPVR.K	2
			R.MGEIIIDAK.C + Oxidation (M)	2
			R.MGEIIIDAK.C + Oxidation (M)	2
			R.MGEIIIDAK.C + Oxidation (M)	2
			R.MGEIIIDAK.C + Oxidation (M)	2
			R.MTLTEIVAK.I + Oxidation (M)	2
			R.MTLTEIVAK.I + Oxidation (M)	2
			K.QIIATGEGAK.A + Gln->pyro-Glu (N-term Q)	2
			K.QIIATGEGAK.A	2
			K.EAQSLEQIR.H	2
			K.ALSAFDYLR.T	2
			K.ALSAFDYLR.T	3
			K.ALSAFDYLR.T	2
			K.ELLAIEAELSDK.V	2
			R.NMNVPGEDQYR.T + Oxidation (M)	2
			K.GVFAAGDCTVPYK.Q	2
			K.NVDIILNAQTTEVK.G	2
			K.NVDIILNAQTTEVK.G	2
			K.GVTYCPHCDGPLFK.G	3
			K.LTKPVELIATLDDSAK.S	2
			K.LTKPVELIATLDDSAK.S	2
			K.LTKPVELIATLDDSAK.S	2
			K.LTKPVELIATLDDSAK.S	2
			K.LTKPVELIATLDDSAK.S	2
			K.VHVDEYDVIDSQSASK.L	3
			K.VHVDEYDVIDSQSASK.L	2
			K.VHVDEYDVIDSQSASK.L	3
			K.VHVDEYDVIDSQSASK.L	3
			R.IKHTAIDGGTFQNEITDR.N	3
			R.NVMGVPVAVFVNGKEFGQGR.M + Oxidation (M)	3

ication

Mass/charge	Score	% Coverage	Swiss Prot Code
470.7300	35	27	P33570
510.1700	43		
510.1900	49		
510.2400	4		
544.2600	32		
544.2900	38		
571.7600	34		
571.7900	15		
630.7700	48		
630.7900	38		
630.8000	38		
649.7900	49		
433.5300	49		
476.2700	23		
820.3500	62		
820.3700	62		
850.9200	74		
889.4300	31		
687.9100	57		
1042.4400	50		
695.3000	32		
1042.5000	76		
1069.7800	45		
1069.8000	41		
1149.1800	82		
493,7500	17	14	Q8XAS2
504,2900	40		
587,3700	24		
638,8900	61		
645,7900	49		
680,8700	26		
704,3500	48		
797,4400	19		
725,0100	36		
827,7800	13		
419,6600	28	34	P00363
420,7100	24		
425,7000	27		
425,7200	27		
425,7200	21		
474,2200	38		
525,2900	39		
525,3000	23		
545,8000	41		
595,7500	33		
595,7800	54		
595,8100	45		
658,3600	45		

439,2900	43		
731,4600	72		
523,9300	32		
905,9700	67		
604,4200	39		
610,9900	55		
956,1800	71		
676,0500	41		
677,9800	42		
705,6700	33		
705,6800	20		
1058,0400	21		
1058,0400	21		
705,7100	16		
542.7800	53	21	POA9S4
542.8100	43		
574.8000	45		
575.2100	39		
575.2200	39		
575.2500	39		
575.2700	41		
575.2900	32		
575.3500	48		
587.7200	58		
587.7200	54		
587.7300	35		
587.7700	50		
587.7700	59		
587.7900	56		
587.8300	55		
599.2700	58		
599.7800	62		
599.8000	51		
638.7700	52		
451.8400	42		
677.3200	41		
725.2800	48		
483.8700	35		
483.9000	23		
483.9000	18		
549.2400	15		
447,7400	26	64	POA853
448,1500	20		
448,1600	17		
448,1600	17		
448,1700	12		
448,2000	7		
528,2800	62		
546,7800	37		
551,7900	61		

565,7900	38		
565,8300	45		
566,8800	53		
575,2700	55		
575,3400	68		
581,3200	35		
581,3500	72		
598,7800	20		
641,3000	50		
641,3900	53		
672,4500	57		
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705,3600	47		
470,5900	35		
777,3000	53		
777,3500	50		
594,6600	12		
897,9600	72		
599,0100	25		
599,0100	20		
599,0400	9		
966,4700	56		
993,5200	84		
796,2900	55		
1194,0800	59		
796,4000	53		
799,1100	67		
1085,0500	59		
1103,8500	12		
497,2000	44	26	POACC7
501,3400	31		
524,7500	31		
558,7900	59		
559,8100	39		
466,2400	11		
698,9200	11		
782,4000	109		
728,4000	43		
728,4100	60		
1166,1000	44		
412.1600	53	44	P08312
479.7400	25		
514.2000	16		
514.2200	16		
563.2900	35		
572.7800	68		
578.7800	43		
636.8400	40		
655.7700	49		
671.3400	48		

671.4000	36		
671.4100	29		
472.2200	24		
749.3800	7		
499.9300	30		
800.8700	50		
800.9000	64		
534.3100	40		
631.0300	19		
773.9700	62		
774.0400	72		
635.3400	38	23	POA760
423.9600	6		
661.8100	26		
685.2600	43		
828.3200	46		
588.9200	32		
882.9000	83		
420.7800	26	32	P00363
425.7200	32		
425.7200	34		
441.1700	23		
525.2800	52		
545.8400	35		
562.2400	22		
595.8000	37		
658.4000	50		
439.3300	26		
731.4600	64		
523.8900	15		
906.0200	52		
956.0000	78		
705.7100	31		
705.7100	30		
817.1100	30		
858.9300	6		
494.2400	35	44	P37689
494.2500	37		
494.2800	40		
504.2100	26		
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504.2300	31		
504.2500	30		
504.2700	30		
602.8500	35		
402.2700	31		
402.2800	36		
665.3200	70		
665.3300	78		

665.3300	73		
665.3500	36		
690.2900	27		
690.3300	39		
690.3400	47		
725.5200	96		
785.2900	32		
523.9100	42		
785.3900	70		
523.9600	55		
812.7100	53		
812.8400	58		
812.8600	39		
812.8800	61		
812.9000	60		
812.9100	50		
813.4000	7		
820.4100	49		
547.9200	45		
821.3900	32		
574.1800	7		
972.0100	95		
1014.4400	36		
676.6400	34		
676.7000	33		
1014.5600	41		
723.7100	27		
771.2600	5		
771.4500	33		
1165.4300	62		
1165.4900	59		
839.2000	13		
494.2900	45	23	P13035
494.7600	17		
578.7700	24		
598.8300	51		
401.5200	48		
615.3800	74		
650.2300	22		
651.8800	45		
655.1600	33		
437.2200	25		
676.8900	45		
939.9400	22		
664.3100	30		
474.3000	46	40	P14407
493.7700	37		
505.2700	33		
565.3500	38		
616.2900	28		

411.2100	31		
616.3200	37		
660.2900	66		
660.3000	54		
689.8300	41		
689.8400	46		
728.8300	64		
728.9100	57		
795.4600	76		
802.9200	46		
836.4100	54		
487.8000	44	32	P25553
500.2100	59		
556.2300	56		
650.2800	62		
650.2900	65		
650.3000	49		
701.7800	56		
701.8400	72		
743.4000	75		
785.3400	42		
562.2100	33		
842.9100	95		
843.9200	55		
843.9500	56		
867.3500	40		
578.5900	29		
982.7300	40		
453.6900	16	33	POAC38
453.7200	9		
453.7400	19		
495.6400	21		
495.6500	32		
495.6600	14		
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523.2200	57		
523.2600	57		
523.2900	47		
531.7500	9		
531.8300	45		
538.2500	37		
595.7800	49		
595.8000	22		
656.8500	48		
656.8700	73		
758.7900	30		
758.8100	27		
530.9100	29		

795.8700	52		
530.9300	23		
564.1800	24		
564.2100	40		
564.2100	47		
564.2100	34		
845.8300	28		
864.3700	26		
617.3200	24		
925.4900	45		
723.6900	32		
506.2500	33	46	P22259
534.7300	21		
565.2800	48		
565.2900	22		
565.3000	49		
643.3500	67		
649.7200	26		
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564.3000	43		
845.9600	28		
564.3500	35		
564.9500	28		
846.9700	54		
587.3100	12		
601.6100	41		
901.9300	29		
657.5900	14		
985.9200	59		
1073.5300	55		
717.0500	66		
741.3100	19		
747.0900	79		
1128.0300	118		
1009.1200	51		
426.1500	24	38	P00959
426.1800	37		
473.1400	32		
473.1700	27		
528.8000	47		
537.2200	42		
537.2200	28		
537.2600	39		
546.2200	37		
554.7900	43		
560.2600	38		
597.2800	53		
616.7100	51		
616.8300	51		
619.8500	63		
644.3100	52		
644.3300	23		
473.2200	16		
473.2300	24		
709.3500	29		
770.8000	80		
771.2900	68		
810.8800	76		
811.8600	50		
544.9100	0		
852.8600	68		
852.9600	59		
883.3900	69		
589.3500	1		
891.4200	61		
641.2800	34		

892.0600	39		
503.2000	84	52	P35340
503.2100	59		
503.2600	73		
511.2600	27		
511.2600	27		
542.3300	37		
550.7700	36		
550.7900	25		
593.7900	28		
628.2900	38		
628.3400	40		
628.3400	40		
665.8700	19		
669.8000	42		
674.4000	19		
681.3400	8		
468.9000	8		
743.7700	16		
779.3400	55		
779.4300	57		
779.4300	84		
571.6400	15		
571.8900	22		
572.0200	26		
857.7300	62		
602.7500	28		
668.0000	23		
1003.4000	88		
669.2900	25		
1003.4500	66		
669.3400	67		
672.6300	28		
674.6700	30		
1054.5300	75		
725.3500	52		
725.4300	8		
1104.5300	79		
736.7200	28		
736.7500	65		
456.2200	33	52	P36938
493.2500	42		
493.2600	43		
494.2400	17		
554.7400	35		
554.7600	38		
608.3800	42		
663.8700	40		
458.5500	25		
510.5200	25		

601.2600	4		
966.4100	68		
644.6300	36		
644.6400	22		
747.6400	37		
849.1400	20		
417.7200	10	33	P24240
417.7400	18		
441.2100	48		
479.6600	11		
479.7600	25		
498.7400	51		
502.2700	42		
505.3000	30		
570.8100	23		
570.8300	34		
589.7100	56		
589.7100	48		
589.7500	51		
589.7500	53		
608.8400	41		
706.2000	85		
706.2900	60		
706.3000	85		
726.2600	39		
726.3300	57		
726.3400	46		
564.8900	61		
634.9500	14		
672.9900	26		
1076.5000	31		
437.7600	24	30	P0AGI8
440.1900	30		
508.7600	32		
508.7700	59		
548.2700	40		
572.8500	38		
596.8500	55		
674.3400	45		
707.8000	93		
554.5200	15		
850.3700	66		
600.2600	68		
600.2700	79		
924.4800	86		
652.4100	10		
430.2000	34	58	P35340
465.1500	7		
503.2300	79		
503.2300	73		

503.2500	79
511.2200	29
511.2300	12
511.2600	33
511.3400	31
542.3400	44
550.7800	44
550.7800	34
593.8400	44
593.8400	39
628.3600	54
628.3800	45
665.8800	67
665.9100	61
669.8100	48
702.9200	46
468.9600	12
743.8300	25
743.8400	26
779.4600	66
779.5100	80
571.6800	34
571.9500	36
571.9600	35
857.4500	57
857.5200	87
572.0500	43
572.0700	45
887.9500	58
903.5500	64
620.4100	47
930.1500	8
1001.5500	73
668.0800	4
1003.4400	89
669.3100	29
669.3600	44
672.7500	40
674.8600	17
1054.5900	72
1054.6000	61
1054.7100	89
1087.6100	12
1087.6300	64
725.4800	30
725.4800	23
725.4900	42
725.5100	57
1104.5700	90
1104.5800	93

1104.5800	42		
736.7300	69		
736.7400	67		
1104.6500	97		
884.2300	32		
1141.6500	46		
1141.9400	35		
430.1400	45	46	Q8XBT4
465.2300	10		
503.2100	84		
503.2300	73		
503.2500	84		
503.2600	59		
511.2200	28		
511.2200	31		
542.2500	38		
550.7700	32		
593.8200	61		
628.3000	43		
419.2100	7		
628.3500	44		
665.8400	61		
669.8100	40		
743.3600	24		
779.4000	81		
779.4200	40		
550.9300	25		
857.4400	86		
571.9700	38		
571.9700	16		
571.9800	39		
572.0100	38		
669.2200	30		
1003.4200	102		
669.3400	46		
669.3600	67		
672.6200	21		
674.8400	12		

Table 1S_B. Details of 'peptide mass fingerprint' identification of spots

Spot	Sequence	Charge	MH+	No match	Coverage	Score	
1846	R.LDVVNLISKI		1	1368.75		12	74
	R.FPEDLDGDC		1	1276.56			
	R.FGDEGEYR.V		1	972.38			
	R.FGDEGEYRV		1	1438.66			
	R.ITDYRDVESI		1	2087.95			
	R.NDGRDADE		1	1783.00			
1870	R.LDVVNLISKI		1	1368.74	1091.84	21	98
	R.FPEDLDGDC		1	1276.55	1129.89		
	R.AHEFLHEMI		1	1299.55	1219.9		
	R.YAALTGSEL		1	2182.98	1323.67		
	K.WTLAKPDFV		1	1388.59			
	R.FGDEGEYRV		1	1438.65			
	R.NNGRDADE		1	1699.85			
	R.DADELLAIL		1	1258.66			
	K.GQTLIVIAN		1	1284.72			
	R.GIQPWQPG		1	1313.57			
1963	-RYAVTDAES		1	1238.60	1023.66	25	103
	R.IIEPAVNPAL		1	1504.88	1146.64		
	K.VPDGTVDPF		1	1102.52	1151.59		
	K.GSLIMDHR		1	1057.51			
	R.IDYNEIDDI		1	1266.53			
	R.VTAEVDILL		1	1257.67			
	R.AYSGVRPLV		1	1861.87			
	R.GIVLLDHAEI		1	1122.59			
	R.LMAEWATC		1	1438.61			
	K.VISLPAPLR		1	965.58			
	R.TPAWLSEGF		1	1016.49			
2425	M.NDYLPGET		1	1562.80		27	107
	R.AGIEHGLLYI		1	1627.79			
	K.LLESAGIAYT		1	1534.80			
	R.GLDYYNR.T		1	940.00			
	R.ATPAVGFAI		1	1335.65			
	R.LVLLVQAVN		1	1469.84			
	R.LRDELPGVK		1	1026.58			
	K.LMTNHGGC		1	1303.65			
	R.SGEQTAVAC		1	1739.83			
3063	-MLWLFHTIS		1	1708.68	926.55	26	85
	R.SVLPVIER.L		1	912.53	939.69		
	K.HPTFVEGDII		1	1170.57	1065.65		
	K.NFIFSSSATV		1	1760.83			
	K.IPYVESFPTG		1	1967.95			
	K.SKLMVEQIL		1	1661.89			

	R.DSLAIFGND	1	2026.91		
	K.ACGKPVNYI	1	1516.72		
3070	-.MLWLFHTIS	1	1708.68		31
	R.SVLPVIER.L	1	912.53		
	K.HPTFVEGDII	1	1170.57		
	K.NFIFSSSATV	1	1760.83		
	K.IPYVESFPTG	1	1967.95		
	K.SKLMVEQIL	1	1661.89		
	R.DSLAIFGND	1	2026.91		
	K.ACGKPVNYI	1	1516.72		
3073	K.HLTQVTPAC	1	1562.83	1118.54	20 93
	K.VDAIKSVAG	1	1752.83		
	R.VSLHMHQG	1	2021.99		
	R.SELDTAFNR	1	1052.48		
	R.IVFTATDADVIK.T		1292.68		
	R.SNEEIEVMFK.D + Oxida		1241.55		
3206	R.NFPMIPGID	1	1650.82	1060.05	30 88
	K.LGYQVAVS	1	1148.63	1091.86	
	R.ESTHEYLK.S	1	1647.00	1159.59	
	R.DEFAESRPLI	1	1320.63	1199.59	
	K.QVWAGRID	1	1784.91		
	R.LQGVDSVM	1	1444.70		
	R.LQGVDSVM	1	1678.00		
	K.EISLSEAPNF	1	2414.18		
3272	R.GVMAALLTI	1	1961.97		35 123
	R.EQVLEIVAEI	1	1357.70		
	R.AIIDSADGLF	1	2359.22		
	K.LTLDQINTLV	1	1966.13		
	K.QTSGDLYQN	1	1584.71		
	K.QTSGDLYQN	1	1723.78		
	R.KPFGPVDEK	1	1016.52		
	K.ALAQQLMC	1	1203.59		
3317	M.NDYLPGETI	1	1562.80		27 107
	R.AGIEHGLLYI	1	1627.79		
	K.LLESAGIAYT	1	1534.80		
	R.GLDYYNR.T	1	900.40		
	R.ATPAVGFAI	1	1335.65		
	R.LVLLVQAVN	1	1469.84		
	R.LRDELPGVK	1	1026.58		
	K.LMTNHGGC	1	1303.65		
	R.SGEQTAVAC	1	1739.83		

GENE NAME

P28904

P28904

POA9C0

P60906

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