



**Fig. S1:** Representative proteomic 2-DE maps of soluble proteins extracted from 2.5 d cortical parenchyma (A) and stele (B) tissues from the differentiation zone of maize primary roots. First dimension isoelectric focusing of the protein extracts was performed on IPG strips pH 4-7. In the second dimension proteins were separated according to their molecular masses on 12.5% SDS-PAGE gels. Proteins were stained with colloidal Coomassie blue. Proteins that were differentially displayed between the two genotypes are encircled and numbered on the gels. The mass spectrometric identification of these proteins is summarized in Tables I and II and online supplementary Table S1.

**Table S1.** Peptide fragments identified via ESI MS/MS and summarized in Tables 1& 2

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
1	AAY26523	1	VVLAPM <sup>Ox</sup> TR
		2	M <sup>Ox</sup> AIVDDRR
		3	M <sup>Ox</sup> GQLELSHR
		4	LFLANPDLPK
		5	ADEYGGSVENR
2	AAY26523	1	VVLAPM <sup>Ox</sup> TR
		2	M <sup>Ox</sup> AIVDDRR
		3	M <sup>Ox</sup> GQLELSHR
		4	LFLANPDLPK
		5	ADEYGGSVENR
		6	RFEVDEILNK
		7	DGANDRADEYGGSVENR
3	P49235	1	LLKEM <sup>Ox</sup> GM <sup>Ox</sup> DAYR
		2	EGGINPDGIK
		3	SIVEDYTYFAK
		4	VC <sup>CAMe</sup> FDNFGDK
		5	VC <sup>CAMe</sup> FDNFGDKVK
		6	IGLAFDVM <sup>Ox</sup> GR
		7	VPYGTSFLDK
		8	GDYPFSM <sup>Ox</sup> R
		9	ERLPFFK
		10	LPFFKDEQK
		11	DLLM <sup>Ox</sup> IM <sup>Ox</sup> K
		12	ETPLPM <sup>Ox</sup> EAALNDYK
		13	ETPLPM <sup>Ox</sup> EAALNDYKR

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
3 (cont.)	P49235	14	YGIVYVDR
4	AAT70081	1	APDLLYR
		2	YDFQQR
		3	ELEHIEK
		4	LVVGM <sup>Ox</sup> PFK
		5	VFSPLVEK
		6	VNPGNFADR
		7	EGEEVDYR
		8	IADKGADLVR
		9	VNPGNFADRR
		10	IM <sup>Ox</sup> SYYGDSR
		11	GM <sup>Ox</sup> VESALEFAR
		12	ELPPVEDAEAR
		13	ASNPVIM <sup>Ox</sup> VQAYR
		14	DGSVLM <sup>Ox</sup> SVSLDQLK
		15	IQTM <sup>Ox</sup> TTSQTKDVAK
		16	VAEC <sup>CAMe</sup> FDK
		17	EADAC <sup>CAMe</sup> FEIK
		18	VAEC <sup>CAMe</sup> FDKIR
		19	KEADAC <sup>CAMe</sup> FEIK
		20	DTSFNLLQGC <sup>CAMe</sup> R
		21	TEYVSC <sup>CAMe</sup> PSC <sup>CAMe</sup> GR
5	ABG22500	1	EEFGQIPR
		2	IDYQDRDTR
		3	ELEVVWR
		4	LIHYVNK

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
5 (cont.)	ABG22500	5	LIHYVNKDGR
		6	QLEFFK
6	CAA12157	1	GLSFTEKER
		2	YTALM <sup>Ox</sup> DLQER
		3	SIQIVVTDGER
		4	QANVSVEEAR
		5	EETLQPFK
		6	KISANIAAHVAAK
7	P49094	1	EAYYYR
		2	LFPQDSAR
		3	ASTPM <sup>Ox</sup> FLMSR
		4	AFDDDEHPYLPK
		5	KAFDDDEHPYLPK
8	NP_001058303	1	LAYTEM <sup>Ox</sup> AR
		2	GLTVGIVSNAEYR
		3	TADAESWR
9	AAB51595	1	SLLIPFR
		2	TAVANIPYGGAK
		3	VIAISDVTGAVK
		4	M <sup>Ox</sup> GAFTLGVNR
10	EAZ15034	1	LEIM <sup>Ox</sup> EPC <sup>CAMe</sup> C <sup>CAMe</sup> SVK
		2	AFGAELVLTDAAK
		3	IQGIGAGFVPR
11	AAA33498	1	TM <sup>Ox</sup> KELLGGK
		2	GEPFSPDPKK
		3	SINQITGLR

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
11 (cont.)	AAA33498	4	LVTIGGHVLR
		5	TEHM <sup>Ox</sup> FFASDER
		6	SDFEGIFR
		7	AM <sup>Ox</sup> DGLPVTIR
		8	VGTM <sup>Ox</sup> IEIPR
12	P49235	1	LLKEM <sup>Ox</sup> GM <sup>Ox</sup> DAYR
		2	EGGINPDGIK
		3	YGGFLDKSHK
		4	VC <sup>CAMe</sup> FDNFGDK
		5	VC <sup>CAMe</sup> FDNFGDKVK
		6	IGLAFDVM <sup>Ox</sup> GR
		7	VPYGTSFLDK
		8	GDYPFSM <sup>Ox</sup> R
		9	YGIVYVDR
13	NP_001046995	1	TNIC <sup>CAMe</sup> YNAVDR
		2	VC <sup>CAMe</sup> QLANYLK
		3	LVITC <sup>CAMe</sup> NAVK
		4	VDDVINVSGHR
14	NP_001045689	1	LDLLLSQGK
		2	ILNHLIHK
		3	VLQLETAAGAAIR
		4	GKVTITAQPGVK
		5	VTITAQPGVK
15	Q9ZTP4	1	VGADNLLVK
		2	EHTHTFVNK
		3	GGTIGELDFR

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
15 (cont.)	Q9ZTP4	4	NAVALALSPVVR
		5	ALVDPDGALQQVR
		6	GSPDVYLSGPIKK
		7	SPDGETYVK
		8	QVVELFPSSR
		9	IGQSLYR
		10	ALGNVQVLQAS
16	ABA97759	1	TLDEYYR
		2	LGADFLVASSHK
		3	STYAEPPSR
		4	SGHHC <sup>CAMe</sup> AQILHR
		5	TLGINASAR
		6	ASLHFYNTK
17	NP_001047770	1	GAAQAIRPVSK
		2	KM <sup>Ox</sup> AFVVLK
		3	M <sup>Ox</sup> AFVVLK
		4	ATTQQVEIQVR
		5	ELETINR
		6	GEEIISGAQR
		7	KTSLFPR
18	ABF61890	1	HFVLNTGAK
		2	EIGLALKK
		3	KLFEEGVVK
		4	LFEEGVVK
		5	LFEEGVVKR
		6	REDLFITSK

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
18 (cont.)	ABF61890	7	EDLFITSK
		8	AIGVSNFSSK
		9	KLGDLLAVAR
		10	LGDLLAVAR
		11	EPIIISIAEK
		12	TSAQVALR
19	EAZ02455	1	VGLAQM <sup>Ox</sup> LR
		2	GGVIM <sup>Ox</sup> DVVTPEQAR
		3	M <sup>Ox</sup> SDPGLIR
		4	AVTIPVM <sup>Ox</sup> AK
		5	VPFVCCAMeGC <sup>CAMeR</sup>
		6	TKGEAGTGNVVEAVR
		7	GEAGTGNVVEAVR
		8	IAAPYDLVM <sup>Ox</sup> QTK
20	AAY26521	1	M <sup>Ox</sup> GQFELSHR
		2	QISPDAESGTAYSKPR
		3	TDQYGGLENR
		4	LAVEVVDVVR
		5	LFLANPDLPR
21	BAA23815	1	VNVGVGAYR
		2	M <sup>Ox</sup> IEESLK
		3	IAAVQALSGTGAC <sup>CAMeR</sup>
		4	LFADFQKR
		5	EISHQFK
		6	NM <sup>Ox</sup> GLYGQR
22	EAY75934	1	LGGAITNK

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
22 (cont.)	EAY75934	2	GGLHSTLVK
		3	ISVTSLNQEIVR
		4	HLAQLLSPK
		5	GVEISVAAHDTTGGM <sup>Ox</sup> ETK
23	P49235	1	VGSQNGVQM <sup>Ox</sup> LSPSEIPQR
		2	GESNWDHFC <sup>CAMe</sup> HNHPER
		3	ILDGSNSDIGANSYHM <sup>Ox</sup> YK
		4	ILDGSNSDIGANSYHMYK
		5	LLKEM <sup>Ox</sup> GM <sup>Ox</sup> DAYR
		6	EMGMDAYR
		7	FSISWPR
		8	EGGINPDGIK
		9	SIVEDYTYFAK
		10	VC <sup>CAMe</sup> FDNFGDK
		11	VC <sup>CAMe</sup> FDNFGDKVK
		12	IGLAFDVMGR
		13	VPYGTSFLDK
		14	VPYGTSFLDKQAEER
		15	GDYPFSMR
		16	ERLPFFK
		17	LPFFKDEQK
		18	LAGSYNM <sup>Ox</sup> LGLNYYTSR
		19	DLLMIMK
		20	ETPLPM <sup>Ox</sup> EAALNDYK
		21	ETPLPM <sup>Ox</sup> EAALNDYKR
		22	RLDYIQR



Spot No.	Protein ID	Peptide No.	Matched peptide sequences
23 (cont.)	P49235	23	YGIVYVDR
24	P49235	1	VGSQNGVQM <sup>Ox</sup> LSPSEIPQR
		2	ILDGSNSDIGANSYHM <sup>Ox</sup> YK
		3	LLKEM <sup>Ox</sup> GM <sup>Ox</sup> DAYR
		4	EM <sup>Ox</sup> GMDAYR
		5	FSISWPR
		6	EGGINPDGIK
		7	SIVEDYTYFAK
		8	VC <sup>CAMe</sup> FDNFGDK
		9	VC <sup>CAMe</sup> FDNFGDKVK
		10	IGLAFDVM <sup>Ox</sup> GR
		11	VPYGTSFLDK
		12	GDYPFSMR
		13	ERLPFFK
		14	LPFFKDEQK
		15	DLLM <sup>Ox</sup> IM <sup>Ox</sup> K
		16	ETPLPM <sup>Ox</sup> EAALNDYK
		17	ETPLPM <sup>Ox</sup> EAALNDYKR
		18	YGIVYVDR
25	P49235	1	IGLAFDVM <sup>Ox</sup> GR
		2	GDYPFSM <sup>Ox</sup> R
		3	DLLM <sup>Ox</sup> IMK
		4	YGIVYVDR
26	BAA03433	1	AAIDKLGK
		2	DVVD AHYK
		3	EAGGYEVIK

Spot No.	Protein ID	Peptide No.	Matched peptide sequences		
26 (cont.)	BAA03433	4	EGKGYFEDR		
		5	GPITDPSQLPK		
		6	HETADINTFK		
		7	EHIAAYGEGNER		
		8	AFGRDVVDAHLYK		
		9	TVKGPITDPSQLPK		
		10	GDWNGAGAHTNYSTK		
		11	LTGRHETADINTFK		
		12	HKEHIAAYGEGNER		
		13	ITEM <sup>Ox</sup> AGIVLSLDPKPIK		
		14	SM <sup>Ox</sup> REAGGYEVIK		
		27	BAA03433	1	DVVDAHLYK
				2	EAGGYEVIK
				3	GPITDPSQLPK
4	HETADINTFK				
5	HKEHIAAYGEGNER				
28	P49235	1	EGGINPDGIK		
		2	IGLAFDVM <sup>Ox</sup> GR		
		3	GDYPFSM <sup>Ox</sup> R		
		4	DLLM <sup>Ox</sup> IM <sup>Ox</sup> K		
		5	YGIVYVDR		
29	ABG22500	1	EEFGQIPR		
		2	LIHYVNK		
		3	LIHYVNKDGR		
		4	QLEFFK		
		5	TFYTDSSGR		

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
29 (cont.)	ABG22500	6	DGQIELM <sup>Ox</sup> LHR
		7	IVETSLSANQER
30	EAY89931	1	HEIIGDVR
		2	GGFYGNVFR
		3	ITPPLC <sup>CAMe</sup> FTK
31	P49235	1	FSISWPR
		2	SIVEDYTYFAK
		3	IGLAFDVM <sup>Ox</sup> GR
		4	VPYGTSFLDK
		5	YGIVYVDR
		6	SLASSLPGQTK
32	BAD09434	1	LSEAGLAVLR
		2	NVSQADAALK
		3	NVSQADAALKAGK
		4	YVGVS LVGK
		5	TLAVM <sup>Ox</sup> GFGK
		6	GGVIDEDALVR
		7	VVYTTAR
		8	VVYTTARGPDDL DTR
		9	GPDDL DTR
		10	QIDQPGM <sup>Ox</sup> IGK
33	EAY86911	1	VEC <sup>CAMe</sup> TIPK
		2	TAVAAVPYGGAK
		3	M <sup>Ox</sup> GAFTLGVNR
34	P49235	1	LLKEM <sup>Ox</sup> GM <sup>Ox</sup> DAYR
		2	FSISWPR

Spot No.	Protein ID	Peptide No.	Matched peptide sequences		
34 (cont.)	P49235	3	EGGINPDGIK		
		4	SIVEDYTYFAK		
		5	VC <sup>CAMe</sup> FDNFGDKVK		
		6	IGLAFDVM <sup>Ox</sup> GR		
		7	VPYGTSFLDK		
		8	GDYPFSM <sup>Ox</sup> R		
		9	LPFFKDEQK		
		10	DLLM <sup>Ox</sup> IMK		
		11	ETPLPM <sup>Ox</sup> EALNDYK		
		12	YGIVYVDR		
		35	AAA33498	1	TM <sup>Ox</sup> KELLGGK
				2	FAYDSFR
3	SLFEEKLEHM <sup>Ox</sup> K				
4	GLKNDTDLTASDLK				
5	NDTDLTASDLK				
6	ELVGQYK				
7	EVYLSAK				
8	GEPFSPDPK				
9	GEPFSPDPKK				
10	SINQITGLR				
11	TPEDLDAM <sup>Ox</sup> K				
12	EM <sup>Ox</sup> QDIEFTVQENR				
13	IAVDM <sup>Ox</sup> VNEGLVEPR				
14	C <sup>CAMe</sup> C <sup>CAMe</sup> VSGC <sup>CAMe</sup> SGIR				
15	LVTIGGHVLR				
16	VLANADTPDDALTAR				

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
35 (cont.)	AAA33498	17	NNGAQQIGLC <sup>CAMe</sup> R
		18	TEHM <sup>Ox</sup> FFASDER
		19	QM <sup>Ox</sup> IM <sup>Ox</sup> APTLELR
		20	SDFEGIFR
		21	AM <sup>Ox</sup> DGLPVTIR
		22	LSEVNPM <sup>Ox</sup> LGFR
		23	VGTM <sup>Ox</sup> IEIPR
36	NP_001046995	1	TNIC <sup>CAMe</sup> YNAVDR
		2	VCCA <sup>Me</sup> QLANYLK
		3	LVITC <sup>CAMe</sup> NAVK
		4	LVITC <sup>CAMe</sup> NAVKR
		5	SLM <sup>Ox</sup> RDGTEYVTR
		6	DGTEYVTR
		7	VDDVINVSGHR
		8	NQIGAF AAPDK
37	P12783	1	RSVGTLG EADLK
		2	SVGTLG EADLK
		3	VILASHLGRPK
		4	ELDYL VGAVANPK
		5	KPFAAIVGGSK
		6	IGVIESLLAK
		7	GVTTIIGGDSVAAVEK
38	AAL99611	1	AAPAGVVVPEIK
		2	YQGYTLK
		3	LIM <sup>Ox</sup> ESAAR
		4	TVSLELGGK

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
38 (cont.)	AAL99611	5	LAVFFNK
		6	TVDEVIEK
		7	YGLAAGIVTK
39	EAY75202	1	VSLAGHDEYIVR
		2	EVNGAGINSSFAVHQDVDGR
		3	SDIFGER
		4	GVAFM <sup>Ox</sup> VDNC <sup>CAMe</sup> STTAR
40	Q43260	1	TAVANIPYGGAK
		2	VIAISDVTGAVK
		3	M <sup>Ox</sup> GAFTLGVNR
41	Q43260	1	M <sup>Ox</sup> GAFTLGVNR
		2	TAVANIPYGGAK
		3	VIAISDVTGAVK
		4	SLIPFR
		5	LLGLDSKLEK
		6	M <sup>Ox</sup> NALAATSR
		7	NVDGLDIAQLVK
		8	DDGTLASYVGFR
		9	VEC <sup>CAMe</sup> TIPK
		10	EIKVEC <sup>CAMe</sup> TIPK
42	NP_001063777	1	FFVGGNWK
		2	IEVSAQNVWIGK
		3	KAAYALSQNVK
		4	AAYALSQNVK
		5	VATPEQAQEVHAAVR
43	CAE18179	1	VSM <sup>Ox</sup> DGNFLQNALSK

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
43 (cont.)	CAE18179	2	QVDDFTSR
		3	LLEIHRK
		4	M <sup>Ox</sup> M <sup>Ox</sup> EINKEENIR
		5	QYGTSLSEHK
		6	QYGTSLSEHKR
		7	HLQDSHGITTIR
		8	HLQDSHGITTIRK
		9	VAVVYFR
		10	C <sup>CAMe</sup> PSISYHLVGTK
		11	C <sup>CAMe</sup> PSISYHLVGTKK
		12	KIQQELAKPNVLER
		13	IQQELAKPNVLER
		14	FLKSEEIDK
		15	SEEIDKVR
		16	EGGNNIYGLDLR
		17	ASPAYLVR
		44	NP_001062330
2	VDYGM <sup>Ox</sup> FR		
3	VYDSFTVER		
45	NP_001105895	1	IALQLVR
		2	TLIFPAANK
		3	ILEFIAVGK
		4	YLLNEQLK
		5	LLQALIENR
		6	TLIFPAANKR
		7	DFDELASNVK

Spot No.	Protein ID	Petide No.	Matched peptide sequences
45 (cont.)	NP_001105895	8	ESAQIAHTVGR
		9	IIC <sup>CAMe</sup> LSGPPGVGK
		10	ATSFEVISTLR
		11	LADFGAAISGANK
		12	DLAM <sup>Ox</sup> TGEVTLTGR
46	Q9M4U5	1	KSDSALM <sup>Ox</sup> YVK
		2	EFELSHTSK
		3	TTSVFFSGYK
		4	SSLGLEKK
		5	KGATHVATPHPAK
		6	GATHVATPHPAK
		7	TFNSEM <sup>Ox</sup> ALQAHSK
47	NP_001105372	1	VLITTDLLAR
		2	DELTLEGIK
		3	FM <sup>Ox</sup> NKPVR
		4	ALGDYLGVK
		5	ELAQQIEK
		6	KFM <sup>Ox</sup> NKPVR
		7	QSLRPDNIK
		8	KGVAINFVTR
		9	VHAC <sup>CAMe</sup> VGGTSVR
		10	RDELTLEGIK
		11	GLDVIQQAQSGTGK
		12	ILASGVHVVVGTTPGR
		13	DHTVSATHGDM <sup>Ox</sup> DQNTR
		14	SRDHTVSATHGDM <sup>Ox</sup> DQNTR



Spot No.	Protein ID	Peptide No.	Matched peptide sequences
48	AAN78327	1	QLPDKAIDLIDEAGSR
		2	AIDLIDEAGSR
		3	LDM <sup>Ox</sup> SEYMER
49	AAG34834	1	FGETPVAK
		2	KIQAYWASAK
		3	ETHAAVLNLEK
		4	GELLSSNPVHK
		5	EVLQPQDEAVAYAK
50	AAL57038	1	FVPVTVEADPK
		2	LSALLAAEGR
		3	LSALLAAEGRDSVR
		4	TLIDKGYLPVK
		5	GYLPVKEER
		6	LVPTATASLHGVVQADR
		7	VGTELVGEQLER
		8	AAIDRLFGTK
51	ABM97609	1	M <sup>Ox</sup> LAVFDPTVAK
		2	LAVFDPTVAK
		3	QHYGLSK
		4	DRGPVPASQVVR
		5	GPVPASQVVR
		6	KQDASIPR
		7	VGSAADWSNQF
52	P49087	1	SGDVYIPR
		2	LAADTPLLTGQR
		3	TVISQALSK

Spot No.	Protein ID	Peptide No.	Matched peptide sequences		
52 (cont.)	P49087	4	RTTLVANTSNM <sup>Ox</sup> PVAAR		
		5	TTLVANTSNM <sup>Ox</sup> PVAAR		
		6	LASFYER		
		7	ALESFYEK		
		8	DALAESDKITLETAK		
		9	LGDLFYR		
		10	LYDDLTTGFR		
		11	NLEDEAR		
		53	P49087	1	SGDVYIPR
				2	LAADTPLLTGQR
				3	TVISQALSK
4	RTTLVANTSNM <sup>Ox</sup> PVAAR				
5	TTLVANTSNM <sup>Ox</sup> PVAAR				
6	DM <sup>Ox</sup> GYNVSM <sup>Ox</sup> M <sup>Ox</sup> ADSTSR				
7	LASFYER				
8	VKC <sup>CAMe</sup> LGSPDR				
9	ALESFYEK				
10	DALAESDKITLETAK				
11	FC <sup>CAMe</sup> PFYK				
12	AAGTDGHKITYSVIK				
13	ITYSVIK				
14	LGDLFYR				
15	LYDDLTTGFR				
16	NLEDEAR				
54	BAC79943	1	GSC <sup>CAMe</sup> HIGGNISTNAGGLR		
		2	LEAFLLR		

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
54 (cont.)	BAC79943	3	IREGISEASVK
		4	EGISEASVK
		5	LYDIVEEM <sup>Ox</sup> R
		6	GSISAEHGLGLM <sup>Ox</sup> K
55	NP_001042770	1	LNGFPC <sup>CAMe</sup> K
		2	IDYAPGGQNPPHTHPR
		3	GLVHFQQNR
56	NP_001042770	1	LNGFPC <sup>CAMe</sup> K
		2	IDYAPGGQNPPHTHPR
		3	GLVHFQQNR
57	EAY76673	1	AFGDEEKR
		2	M <sup>Ox</sup> M <sup>Ox</sup> SPFLTQR
		3	KVPANEEPIM <sup>Ox</sup> K
		4	VPANEEPIM <sup>Ox</sup> K
58	AAM93677	1	ILLDTSK
		2	LEADEHPSTVK
		3	LQTQNIHSTPTASK
59	AAC12715	1	AQADIWR
		2	LLAASGVFTVDK
		3	C <sup>CAMe</sup> TVLAPPK
		4	ILKEFGAR
60	NP_001105323	1	YVSNLER
		2	FQELGLEK
		3	SLSALQGALR
		4	ISQGGLQR
		5	GWGDC <sup>CAMe</sup> AKR

Spot No.	Protein ID	Pptide No.	Matched peptide sequences
60 (cont.)	NP_001105323	6	WISAQM <sup>Ox</sup> NR
		7	DGAFEDVLR
		8	VPEYLQFK
		9	QC <sup>CAMe</sup> GLDITPK
		10	IEEKYTWK
		11	GM <sup>Ox</sup> TMM <sup>Ox</sup> LNDR
		12	AM <sup>Ox</sup> ENEMLLR
		13	DKEEQAEFK
		14	SLSALQGALRK
		15	YLEM <sup>Ox</sup> LYALK
		16	NKPIIFSMAR
		17	YPNSDLYWK
		18	NKPIIFSM <sup>Ox</sup> AR
		19	SINGVQFLNR
		20	VVHGIDVFDPK
		21	NLTGLVELYGR
		22	LKDGFEDVLR
		23	IKQC <sup>CAMe</sup> GLDITPK
		24	RYLEM <sup>Ox</sup> LYALK
		25	VLGTEHC <sup>CAMe</sup> HILR
		26	VNVSELAVEELR
		27	LLPDATGTTC <sup>CAMe</sup> GQR
		28	TKYPNSDLYWK
		29	M <sup>Ox</sup> GVTHC <sup>CAMe</sup> TIAHALEK
		30	TM <sup>Ox</sup> ASTVPLAVEGEPSSK
		31	AHNYKGM <sup>Ox</sup> TM <sup>Ox</sup> M <sup>Ox</sup> LNDR

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
60 (cont.)	NP_001105323	32	LLPDATGTTC <sup>CAMe</sup> GQRLEK
		33	IGDSLSAHPNELVAVFTR
61	AAL73979	1	ASHIVGYPR
		2	GNATVPAM <sup>Ox</sup> EMTK
		3	FTYASHK
		4	YLFAGVVDGR
		5	SWLAFAAQK
		6	VVEVNALAK
		7	DEAYFAANAAAQASR
		8	KISEEEYISAIK
		9	ISEEEYISAIK
		10	EGLPLRK
		11	SDEKLLSVFR
		12	YGAGIGPGVYDIHSPR
		13	KYTEVKPALTNM <sup>Ox</sup> VSATK
		14	YTEVKPALTNM <sup>Ox</sup> VSATK
62	AAO62313	1	NLFFSTDIEK
		2	AADLTYWESAAR
		3	M <sup>Ox</sup> IADVSKSDK
		4	SDKIVVEK
		5	DVYAHWVPEDR
		6	IITNLWSAELSK
		7	LAANAFLAQR
		8	VVSSMFNTVSGK
		9	VVSSMFNTVSGKK
		10	KIAVLGFAFK

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
62 (cont.)	AAO62313	11	IAVLGFAPK
		12	DTGDTRETPAIDVC <sup>CAMe</sup> K
		13	ETPAIDVCK
63	NP_001050672	1	VLKDDAVEEK
		2	GM <sup>Ox</sup> DKILQSTGR
		3	SLHIDNPAAK
		4	IHPM <sup>Ox</sup> TIIAGYR
		5	SDLM <sup>Ox</sup> NIAM <sup>Ox</sup> TTLSSK
		6	KIGLGQPK
		7	ILVANTAM <sup>Ox</sup> DTDK
		8	ILVANTAM <sup>Ox</sup> DTDKVK
		9	GASEHVLDEAER
		10	VDEIITC <sup>CAMe</sup> APR
64	P54411	1	LMVELSR
		2	RALAEIAVK
		3	ALAEIAVK
		4	AVLAVADLER
		5	AVLAVADLERK
		6	KDVNLDLIK
		7	DVNLDLIK
		8	DVNLDLIKVEGK
		9	HKVDIDTVEK
		10	VDIDTVEK
		11	YFDEM <sup>Ox</sup> VQK
		12	DRM <sup>Ox</sup> LYIEK
		13	M <sup>Ox</sup> LYIEK

Spot No.	Protein ID	Peptide No.	Matched peptide sequences
64 (cont.)	P54411	14	AVTIFIR
		15	M <sup>Ox</sup> M <sup>Ox</sup> IEETKR
		16	SIHDALC <sup>CAMe</sup> VAR
		17	HPGVEQYAIR
		18	QQQILLATQVVK
65	NP_001053409	1	KIEEQLEK
		2	IEEQLEK
		3	GEEVLKAEEM <sup>Ox</sup> AAK
		4	KLIGC <sup>CAMe</sup> FGA
66	NP_001058379	1	THFHDC <sup>CAMe</sup> FVR
		2	DAAPNLTLR
67	NP_001062292	1	DIC <sup>CAMe</sup> QDGGIFKK
		2	TVTEIGDDKK
		3	KEEGNALFK
		4	EEGNALFK
		5	VTC <sup>CAMe</sup> NLNNAAC <sup>CAMe</sup> K
		6	VLELDSQNVK
		7	ALEIDPDNR
		8	ALEIDPDNRDVK
		9	FYSNM <sup>Ox</sup> FAK
68	AAT40531	1	LLVTDEAR
		2	LLVTDEARK
		3	KFDDEIR
69	AAU93346	1	AGFAGDDAPR
		2	DAYVGDEAQSQR
		3	DLTDSL <sup>Ox</sup> M <sup>Ox</sup> K

---

<b>Spot No.</b>	<b>Protein ID</b>	<b>Peptide No.</b>	<b>Matched peptide sequences</b>
69 (cont.)	AAU93346	4	GYSFTTSAER
		5	EITSLAPSSM <sup>Ox</sup> K
		6	IKVVAPPER
		7	EEYDESGPAIVHR
70	P02580	1	DSYVGDEAQSKR
		2	AGFAGDDAPR
		3	EITALAPSSM <sup>Ox</sup> K

---