

***In Vivo* Effects of Ozone Exposure on Protein Adduct Formation by
1-Nitronaphthalene in Rat Lung**

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Online Data Supplement

Table E1: LC-MS/MS Data on Peptides Used for Identification with SEQUEST and DTASelect

PROTEIN		PEPTIDE INFORMATION					
Spot#	Accession#	XCorr	DeltCN	ObsM+H+	SpScore	Ion%	Sequence
1	spt P42930	3.2364	0.2868	1150.8555	1454.0	94.40%	R.LFDQAFGVPR.F
		5.7611	0.3826	3194.8347	1174.4	32.50%	R.KYTLPPGVDPTLVSSSLSPGTLTVEAPLPK.A
		4.8242	0.2805	3067.0454	1082.3	27.60%	K.YTLPPGVDPTLVSSSLSPGTLTVEAPLPK.A
		3.5317	0.3488	1833.5730	638.1	59.40%	K.AVTQSAEITIPVTFEAR.A
2	spt P42930	3.6261	0.3304	1150.6313	1478.5	94.40%	R.LFDQAFGVPR.F
		3.7348	0.4270	1800.9637	533.6	40.00%	R.VSLDVNHFAPPEELTVK.T
		6.4847	0.5031	3196.2330	1294.6	33.30%	R.KYTLPPGVDPTLVSSSLSPGTLTVEAPLPK.A
		4.2066	0.5372	1833.4656	634.6	59.40%	K.AVTQSAEITIPVTFEAR.A
3	spt P42930	3.9170	0.3018	1150.5190	1589.8	94.40%	R.LFDQAFGVPR.F
		3.9522	0.4082	1379.3694	1160.2	67.90%	R.PLPAATAEGPAAVTL.A
		2.4261	0.1126	1076.5264	667.7	83.30%	R.QLSSGVSEIR.Q
		2.0989	0.1824	933.0427	320.1	62.50%	K.EGVVEITGK.H
		5.7700	0.4181	3194.8830	1185.4	32.50%	R.KYTLPPGVDPTLVSSSLSPGTLTVEAPLPK.A
		6.1254	0.3844	3067.0486	1313.1	29.30%	K.YTLPPGVDPTLVSSSLSPGTLTVEAPLPK.A
		4.5685	0.5010	1726.5776	1409.7	75.00%	S.SSLSPGTLTVEAPLPK.A
		4.9781	0.4433	1639.5303	910.3	63.30%	S.SLSPGTLTVEAPLPK.A
2.7061	0.2320	1834.3870	450.1	50.00%	K.AVTQSAEITIPVTFEAR.A		
4	spt P42930	3.7716	0.2846	1150.9336	1477.6	94.40%	R.LFDQAFGVPR.F
		2.6976	0.2673	1379.8013	1043.1	64.30%	R.PLPAATAEGPAAVTL.A
		4.0711	0.2784	1799.4629	1082.0	60.00%	R.VSLDVNHFAPPEELTVK.T
		6.2891	0.4641	3195.2207	1073.2	31.70%	R.KYTLPPGVDPTLVSSSLSPGTLTVEAPLPK.A
		4.8412	0.3077	3066.6062	1058.6	31.00%	K.YTLPPGVDPTLVSSSLSPGTLTVEAPLPK.A
		3.5492	0.3296	2223.8394	712.6	57.10%	D.PTLVSSSLSPGTLTVEAPLPK.A
		4.5871	0.4357	1726.5791	1131.4	68.80%	S.SSLSPGTLTVEAPLPK.A
		3.9123	0.3541	1639.3140	1113.0	63.30%	S.SLSPGTLTVEAPLPK.A
		3.6824	0.3081	1478.3435	525.5	61.50%	K.AVTQSAEITIPVTF.E
		3.1358	0.2339	1835.0225	562.9	56.30%	K.AVTQSAEITIPVTFEAR.A
5	spt P02770	2.4303	0.3379	1149.4395	934.6	77.80%	K.LVQEVTDFAK.T
		2.6636	0.3029	1150.9565	1202.5	88.90%	K.LVQEVTDFAK.T
		3.4480	0.2492	1267.8132	2124.6	90.00%	R.FPNAEFAEITK.L
		3.9458	0.4890	1466.8833	1843.1	83.30%	K.LGEYGFQNAVLVR.Y
		2.9560	0.4658	1440.8867	833.7	69.20%	K.APQVSTPTLVEAAR.N
		2.7229	0.3389	1102.3169	1061.1	83.30%	K.KQTALAEVLK.H
		1.7945	0.0857	973.4316	196.6	75.00%	K.QTALAEVLK.H
		3.1089	0.4243	1374.3123	1116.1	81.80%	K.TVM*GDFAQFVDK.C
6	spt P02770	2.4996	0.3368	1149.5049	882.9	72.20%	K.LVQEVTDFAK.T
		2.6861	0.3179	1150.7158	958.2	83.30%	K.LVQEVTDFAK.T
		2.3916	0.4303	1018.4094	843.3	87.50%	K.SIHTLFGDK.L
		3.2488	0.4628	1416.2339	1028.9	77.30%	R.DNYGELADCCAK.Q
		4.0467	0.3623	1747.0732	1089.4	76.90%	K.YNEVLTQCCTESDK.A
		2.7503	0.1998	1266.4072	733.8	65.00%	R.FPNAEFAEITK.L
		3.5012	0.2811	1269.2114	1725.8	90.00%	R.FPNAEFAEITK.L
		1.7748	0.1110	1446.2441	343.9	50.00%	K.YM*CENQATISSK.L
		4.2536	0.5347	1467.1394	1849.6	87.50%	K.LGEYGFQNAVLVR.Y
		3.1928	0.5369	1440.5405	931.4	73.10%	K.APQVSTPTLVEAAR.N
		3.0707	0.3525	1101.5342	1234.6	88.90%	K.KQTALAEVLK.H
		3.6296	0.3527	1358.4373	1124.3	86.40%	K.TVMGDFAQFVDK.C
		2.6084	0.3904	1374.4727	915.2	77.30%	K.TVM*GDFAQFVDK.C

Spot#	Accession#	XCorr	DeltCN	ObsM+H+	SpScore	Ion%	Sequence
10	trm Q8VIF7	4.4764	0.3349	1918.5173	954.4	70.60%	R.NTGIEAPDYLATVDVDPK.S
		2.6814	0.1963	1804.4143	624.0	56.30%	N.TGIEAPDYLATVDVDPK.S
		3.8266	0.3063	1233.6353	2309.3	95.00%	R.IYVVDVGSEPR.A
		3.3108	0.3817	1876.9717	848.2	50.00%	C.LASGEVM*ISSLGDPQNGK.G
		3.2567	0.2764	1764.3062	777.5	52.90%	L.ASGEVM*ISSLGDPQNGK.G
		3.8538	0.2367	1511.1768	1525.1	73.10%	K.GGFVLLDGETFEVK.G
		3.1880	0.2501	1250.3320	844.6	85.00%	F.VLLDGETFEVK.G
		2.8570	0.3237	1390.9541	800.0	70.80%	K.DGFNPAHVEAGLY.G
		2.8322	0.2806	1256.8433	1054.4	83.30%	R.HEIQTLQM*K.D
		2.2827	0.2325	1025.9224	564.1	81.30%	K.DGLIPLEIR.F
		2.4694	0.3321	1247.9204	1236.9	80.00%	R.FLHDPDATQGF.V
		2.3024	0.3582	1212.4209	444.0	60.00%	K.RVPGGPQM*IQL.S
		2.4244	0.2375	1712.3577	257.3	56.70%	K.RVPGGPQM*IQLSLDGK.R
		3.8456	0.2328	1713.0358	1114.4	40.00%	K.RVPGGPQM*IQLSLDGK.R
		3.8856	0.3065	1555.2974	638.1	64.30%	R.VPGGPQM*IQLSLDGK.R
		3.2950	0.2450	1360.3252	723.3	62.50%	P.GGPQM*IQLSLDGK.R
		2.8381	0.3263	1264.1636	521.9	80.00%	K.LNPNFLVDFGK.E
11	gb AAA42278.	2.1028	0.3107	955.4988	593.7	92.90%	K.FFVGGNWK.M
		4.6208	0.5541	1638.0088	1117.4	63.30%	K.VTNGAFTGEISPGM*IK.D
		4.1650	0.5529	1473.5889	813.7	83.30%	R.HIFGESDELIGQK.V
		4.4614	0.3929	1474.4276	1811.5	56.30%	R.HIFGESDELIGQK.V
		3.9728	0.4215	1328.0879	1084.7	83.30%	R.IYGGSVTGATCK.E
12	gb xm_214823	2.5377	0.3430	906.4391	946.1	87.50%	K.IAIFGATGR.T
		3.1001	0.2743	1212.9834	818.9	83.30%	R.LQDVTDDHIR.M
13	spt O35244	4.3344	0.4162	1364.7817	1751.2	83.30%	K.DINAYNGAAPTEK.L
		3.0609	0.4426	1329.8098	1038.1	90.00%	K.LPFPIDDKDR.D
		3.7449	0.1878	1887.1074	835.4	62.50%	R.DLAILLGM*LDPAEKDEK.G
		4.0242	0.3039	1888.8130	543.7	37.50%	R.DLAILLGM*LDPAEKDEK.G
		2.7069	0.3722	1151.1553	868.9	77.80%	R.VVFIFGPKK.L
		3.2520	0.3494	1194.6328	839.7	85.00%	K.LSILYPATTGR.N
		3.4614	0.4673	2140.2812	977.4	50.00%	R.VVDSLQLTASNVPVATPDWK.K
		3.5764	0.5357	1873.6624	612.0	59.40%	K.KGESVM*VLPTLPEEEAK.Q
		2.3098	0.2626	1744.9648	270.7	46.70%	K.GESVM*VLPTLPEEEAK.Q
14	spt P18418	2.7255	0.1840	855.4375	856.0	91.70%	A.DPAIFYK.E
		3.1961	0.2602	1452.9062	1123.8	77.30%	K.EQFLDGDWATNR.W

Table E2: MALDI-TOF/TOF Data on Peptides Used for Identification with MASCOT

PROTEIN		PEPTIDE INFORMATION				
Spot#	Accession#	Calc.Mass	Obs. Mass	ppm	Location(AA#)	Sequence
1	spt P42930	831.5087	831.5067	-2	6 - 12	VPFSLLR
		831.5087	831.5067	-2	6 - 12	VPFSLLR
		987.6097	987.5839	-26	5 - 12	RVPFSLLR
		987.6097	987.5839	-26	5 - 12	RVPFSLLR
		1031.4694	1031.4340	-34	21 - 28	DWYPAHSR
		1104.5068	1104.4994	-7	132 - 140	QDEHGYISR
		1104.5068	1104.4994	-7	132 - 140	QDEHGYISR
		1149.6051	1149.5865	-16	29 - 38	LFDQAFGVPR
		1149.6051	1149.5865	-16	29 - 38	LFDQAFGVPR
		1155.5405	1155.5280	-11	84 - 93	QLSSGVSEIR
		1160.6521	1160.6151	-32	117 - 127	TKEGVVEITGK
		1358.6545	1358.6525	-1	193 - 206	AQIGGPESEQSGAK
		1358.6545	1358.6525	-1	193 - 206	AQIGGPESEQSGAK
		1711.8972	1711.8998	2	117 - 131	TKEGVVEITGKHEER
		1791.8635	1791.7539	-61	117 - 131	TKEGVVEITGKHEER
		1797.9381	1797.9266	-6	101 - 116	VSLDVNHFAPEELTVK
		1797.9381	1797.9266	-6	101 - 116	VSLDVNHFAPEELTVK
		1832.9752	1832.9673	-4	176 - 192	AVTQSAEITIPVTFEAR
		1832.9752	1832.9673	-4	176 - 192	AVTQSAEITIPVTFEAR
		3193.7241	3193.6926	-10	145 - 175	KYTLPPGVDPTLVSSSLSPGTL-TVEAPLPK
2	trm Q9JKL7	705.3638	705.3903	38	361 - 366	SASRER
		711.1746	711.2675	131	426 - 430	SSSDR
		713.2977	713.2594	-54	187 - 191	SNERK
		713.2977	713.2594	-54	187 - 191	SNERK
		715.3845	715.2716	-158	197 - 202	SHTRSK
		717.4001	717.2881	-156	404 - 408	REKER
		725.4069	725.2299	-244	383 - 387	TIKRK
		725.4069	725.3806	-36	383 - 387	TIKRK
		727.3498	727.2833	-91	343 - 347	EKKS
		732.3998	732.2963	-141	293 - 298	DKERGK
		733.4315	733.2619	-231	214 - 219	KRSQSK
		739.3386	739.2449	-127	439 - 444	TNTPVK
		741.3403	741.2682	-97	260 - 264	SRDKR
		743.3907	743.5441	206	195 - 200	SRSRTR
		745.4063	745.2826	-166	415 - 419	RERER
		745.4063	745.5466	188	415 - 419	RERER
		748.4060	748.3260	-107	258 - 263	SRSRDK
		755.3447	755.2446	-133	377 - 382	SPRTSK
		755.3560	755.2446	-147	264 - 268	RKDTR
		757.3839	757.2619	-161	445 - 450	EKEHSK
759.3032	759.2674	-47	425 - 430	KSSSDR		
763.1711	763.2387	89	420 - 424	STSTK		
773.4376	773.3375	-129	232 - 237	QKDRAR		
776.3784	776.2974	-104	319 - 324	EKEQDK		
806.3890	806.2072	-225	333 - 339	SKEADEK		
806.3890	806.2072	-225	333 - 339	SKEADEK		
808.4159	808.3621	-67	418 - 424	ERSTSTK		

Spot#	Accession#	Calc.Mass	Obs. Mass	ppm	Location(AA#)	Sequence
2 (cont.)	spt P42930 (cont.)	812.3774	812.3138	-78	234 - 239	DRARSK
		831.4907	831.6102	144	250 - 255	ERRKSR
		861.4649	861.3425	-142	361 - 367	SASRERR
		915.4156	915.5764	176	370 - 376	RSRSSSR
2	spt P42930	831.5087	831.4830	-31	6 - 12	VPFSLLR
		932.4697	932.4384	-34	94 - 100	QTADRWR
		987.6097	987.5775	-33	5 - 12	RVPFSLLR
		987.6097	987.5775	-33	5 - 12	RVPFSLLR
		1104.5068	1104.4578	-44	132 - 140	QDEHGYISR
		1149.6051	1149.5756	-26	29 - 38	LFDQAFGVPR
		1149.6051	1149.5756	-26	29 - 38	LFDQAFGVPR
		1235.5068	1235.5165	8	84 - 93	QLSSGVSEIR
		1320.5847	1320.5487	-27	117 - 127	TKEGVVEITGK
		1358.6545	1358.6118	-31	193 - 206	AQIGGPESEQSGAK
		1482.7546	1482.7129	-28	119 - 131	EGVVEITGKHEER
		1609.8057	1609.7490	-35	80 - 93	ALNRQLSSGVSEIR
		1797.9381	1797.8723	-37	101 - 116	VSLDVNHFAPEELTVK
		1832.9752	1832.9364	-21	176 - 192	AVTQSAEITIPVTFEAR
		1832.9752	1832.9364	-21	176 - 192	AVTQSAEITIPVTFEAR
		3225.5618	3225.1938	-114	146 - 175	YTLPPGVDPTLVSSSLSPGET-LTVEAPLPK
3	spt P42930	831.5087	831.5099	1	6 - 12	VPFSLLR
		831.5087	831.5099	1	6 - 12	VPFSLLR
		931.5094	931.4449	-69	119 - 127	EGVVEITGK
		932.4697	932.4798	11	94 - 100	QTADRWR
		987.6097	987.6098	0	5 - 12	RVPFSLLR
		987.6097	987.6098	0	5 - 12	RVPFSLLR
		1075.5741	1075.5791	5	84 - 93	QLSSGVSEIR
		1075.5741	1075.5791	5	84 - 93	QLSSGVSEIR
		1104.5068	1104.5326	23	132 - 140	QDEHGYISR
		1149.6051	1149.6147	8	29 - 38	LFDQAFGVPR
		1149.6051	1149.6147	8	29 - 38	LFDQAFGVPR
		1160.6521	1160.6512	-1	117 - 127	TKEGVVEITGK
		1358.6545	1358.6725	13	193 - 206	AQIGGPESEQSGAK
		1358.6545	1358.6725	13	193 - 206	AQIGGPESEQSGAK
		1482.7546	1482.7659	8	119 - 131	EGVVEITGKHEER
		1797.9381	1797.9668	16	101 - 116	VSLDVNHFAPEELTVK
1797.9381	1797.9668	16	101 - 116	VSLDVNHFAPEELTVK		
1832.9752	1833.0049	16	176 - 192	AVTQSAEITIPVTFEAR		
1832.9752	1833.0049	16	176 - 192	AVTQSAEITIPVTFEAR		
4	spt P42930	711.3606	711.2421	-167	141 - 145	CFTRK
		831.5087	831.5815	88	6 - 12	VPFSLLR
		831.5087	831.5815	88	6 - 12	VPFSLLR
		932.4697	932.5396	75	94 - 100	QTADRWR
		987.6097	987.6885	80	5 - 12	RVPFSLLR
		987.6097	987.6885	80	5 - 12	RVPFSLLR
		1075.5741	1075.6676	87	84 - 93	QLSSGVSEIR
		1104.5068	1104.5941	79	132 - 140	QDEHGYISR
		1149.6051	1149.6993	82	29 - 38	LFDQAFGVPR
		1149.6051	1149.6993	82	29 - 38	LFDQAFGVPR

Spot#	Accession#	Calc.Mass	Obs. Mass	ppm	Location(AA#)	Sequence
4 (cont.)	spt P42930 (cont.)	1160.6521	1160.7483	83	117 - 127	TKEGVVEITGK
		1358.6545	1358.7675	83	193 - 206	AQIGGPESEQSGAK
		1358.6545	1358.7675	83	193 - 206	AQIGGPESEQSGAK
		1482.7546	1482.8843	87	119 - 131	EGVVEITGKHEER
		1797.9381	1798.0830	81	101 - 116	VSLDVNHFapeelTVK
		1797.9381	1798.0830	81	101 - 116	VSLDVNHFapeelTVK
		1832.9752	1833.1143	76	176 - 192	AVTQSAEITIPVTFEAR
		1832.9752	1833.1143	76	176 - 192	AVTQSAEITIPVTFEAR
5	spt P02770	712.3736	712.2482	-176	29 - 34	SEIAHR
		773.4879	773.3152	-223	544 - 549	EKQIKK
		898.4814	898.5781	108	484 - 490	LCVLHEK
		973.4737	973.5706	100	37 - 44	DLGEQHFk
		981.5251	981.6461	123	376 - 383	KYEATLEK
		1017.5363	1017.6387	101	89 - 97	SIHTLFGDK
		1056.4666	1056.5586	87	414 - 421	TNCELYEK
		1100.6674	1100.7806	103	549 - 558	KQTALAELVK
		1149.6150	1149.7220	93	66 - 75	LVQEVTDFAK
		1149.6150	1149.7220	93	66 - 75	LVQEVTDFAK
		1177.6072	1177.7050	83	25 - 34	EAHKSEIAHR
		1248.6371	1248.7473	88	35 - 44	FKDLGEQHFk
		1248.6371	1248.7473	88	35 - 44	FKDLGEQHFk
		1266.6364	1266.7523	92	247 - 257	FPNAEFAEITK
		1266.6364	1266.7523	92	247 - 257	FPNAEFAEITK
		1299.7056	1299.7902	65	362 - 372	HPDYSVSLLLR
		1373.6405	1373.7698	94	570 - 581	TVMGDFaQFVDK
		1373.7075	1373.7698	45	373 - 383	LAKKYEATLEK
		1439.7852	1439.9344	104	439 - 452	APQVSTPTLVEAAR
		1439.7852	1439.9344	104	439 - 452	APQVSTPTLVEAAR
		1447.6191	1447.7380	82	287 - 298	YMCENQATISSK
		1455.8066	1455.9287	84	361 - 372	RHPDYSVSLLLR
		1459.7395	1459.8673	88	299 - 310	LQACCDKPVlQK
		1465.7797	1465.9170	94	422 - 434	LGEYGFQNAVLVR
		1465.7797	1465.9170	94	422 - 434	LGEYGFQNAVLVR
		1475.6382	1475.7833	98	497 - 508	VTkCCSGSLVR
		1608.8717	1608.8916	12	24 - 36	REAHKSEIAHRFK
		1609.7896	1609.9424	95	348 - 360	DVFLGTFLYEYSR
		1882.9366	1883.0856	79	509 - 524	RPCFSALTVDetyVpK
		1927.9554	1928.0981	74	361 - 375	RHPDYSVSLLLRLAK
1948.9181	1949.0636	75	585 - 602	AADKDNCFATEGNLVAR		
2139.0063	2139.1799	81	528 - 545	AETFTFHSDICTLPDKEK		
6	spt P02770	853.4301	853.4041	-30	377 - 383	YEATLEK
		854.4518	854.6067	181	230 - 236	FGERAFK
		972.5724	972.7402	173	550 - 558	QTALAELVK
		983.6108	983.7801	172	213 - 221	ALVAAVRQR
		983.6108	983.7801	172	213 - 221	ALVAAVRQR
		1019.5784	1019.7516	170	234 - 242	AFKAWAVAR
		1019.5784	1019.7516	170	234 - 242	AFKAWAVAR
		1068.5336	1068.6460	105	491 - 499	TPVSEKVTk
		1100.6674	1100.8342	152	549 - 558	KQTALAELVK
		1177.6072	1177.7963	161	25 - 34	EAHKSEIAHR
		1266.6364	1266.8376	159	247 - 257	FPNAEFAEITK
		1294.7113	1294.9287	168	559 - 569	HKPKATEDQLK
		1373.7075	1373.8804	126	373 - 383	LAKKYEATLEK
		1439.7852	1440.0203	163	439 - 452	APQVSTPTLVEAAR

Spot#	Accession#	Calc.Mass	Obs. Mass	ppm	Location(AA#)	Sequence
6 (cont.)	spt P02770 (cont.)	1452.7705	1453.1089	233	25 - 36	EAHKSEIAHRFK
		1455.8066	1456.0656	178	361 - 372	RHPDYSVSLLLR
		1459.7395	1459.9739	161	299 - 310	LQACCDKPVLLQK
		1459.7395	1459.9739	161	299 - 310	LQACCDKPVLLQK
		1462.8739	1462.9528	54	550 - 562	QTALAEVLKHKPK
		1469.9049	1470.1312	154	546 - 558	QIKKQTALAEVLK
		1482.9001	1483.1193	148	206 - 219	LDAVKEKALVAAVR
		1508.8120	1509.0660	168	230 - 242	FGERAFKAWAVAR
		1684.7417	1684.9832	143	104 - 117	LRDNYGELADCCAK
		1784.8635	1785.1210	144	243 - 257	MSQRFNPAEFAEITK
		1784.8635	1785.1210	144	243 - 257	MSQRFNPAEFAEITK
		1880.0348	1880.3132	148	439 - 456	APQVSTPTLVEAARNLGR
		1948.9181	1949.2083	149	585 - 602	AADKDNCFATEGPNLVAR
		1948.9181	1949.2083	149	585 - 602	AADKDNCFATEGPNLVAR
		1960.0498	1960.3339	145	435 - 452	YTQKAPQVSTPTLVEAAR
		1960.2065	1960.3339	65	546 - 562	QIKKQTALAEVLKHKPK
1962.9031	1963.2792	192	509 - 524	RPCFSALTVDETYVPK		
2400.2993	2400.6267	136	435 - 456	YTQKAPQVSTPTLVEAARNLGR		
Spot#	Accession#	Calc.Mass	Obs. Mass	ppm	Location(AA#)	Sequence
7	spt P02770	747.4247	747.4981	98	258 - 264	LATDVTK
		802.4669	802.4782	14	206 - 212	LDAVKEK
		840.3685	840.5134	172	199 - 205	AACLTPK
		854.4518	854.2507	-235	230 - 236	FGERAFK
		898.4814	898.5071	29	484 - 490	LCVLHEK
		973.4737	973.4804	7	37 - 44	DLGEQHFK
		981.5251	981.5096	-16	376 - 383	KYEATLEK
		1075.4989	1075.5139	14	123 - 130	NECFQLQHK
		1100.6674	1100.6588	-8	549 - 558	KQTALAEVLK
		1134.5031	1134.4911	-11	461 - 469	CCTLPEAQR
		1149.6150	1149.6134	-1	66 - 75	LVQEVTDFAK
		1149.6150	1149.6134	-1	66 - 75	LVQEVTDFAK
		1177.6072	1177.6079	1	25 - 34	EAHKSEIAHR
		1248.6371	1248.6432	5	35 - 44	FKDLGEQHFK
		1266.6364	1266.6389	2	247 - 257	FPNAEFAEITK
		1266.6364	1266.6389	2	247 - 257	FPNAEFAEITK
		1373.6405	1373.6349	-4	570 - 581	TVMGDFAQFVDK
		1439.7852	1439.7791	-4	439 - 452	APQVSTPTLVEAAR
		1439.7852	1439.7791	-4	439 - 452	APQVSTPTLVEAAR
		1447.6191	1447.6040	-10	287 - 298	YMCENQATISSK
		1455.8066	1455.8033	-2	361 - 372	RHPDYSVSLLLR
		1455.8066	1455.8033	-2	361 - 372	RHPDYSVSLLLR
		1465.7797	1465.7775	-2	422 - 434	LGEYGFQNAVLVR
		1465.7797	1465.7775	-2	422 - 434	LGEYGFQNAVLVR
		1475.6382	1475.7694	89	497 - 508	VTKCCSGSLVER
		1609.7896	1609.7916	1	348 - 360	DVFLGTFLYEYSR
		1609.7896	1609.7916	1	348 - 360	DVFLGTFLYEYSR
		1784.8635	1784.8472	-9	243 - 257	MSQRFNPAEFAEITK
		1882.9366	1882.9281	-5	509 - 524	RPCFSALTVDETYVPK
		1948.9181	1948.9127	-3	585 - 602	AADKDNCFATEGPNLVAR
		1960.0498	1960.0521	1	435 - 452	YTQKAPQVSTPTLVEAAR
		1960.0498	1960.0521	1	435 - 452	YTQKAPQVSTPTLVEAAR

Spot#	Accession#	Calc.Mass	Obs. Mass	ppm	Location(AA#)	Sequence
8	spt P11884	706.4497	706.5089	84	372 - 377	ILGYIK
		711.3549	711.2040	-212	341 - 346	SVARAK
		816.4825	816.5312	60	284 - 291	VTLELGGK
		829.4777	829.5327	66	110 - 116	LADLIER
		834.5447	834.5941	59	371 - 377	KILGYIK
		902.4941	902.5488	61	431 - 438	TIEEVVGR
		972.5836	972.5706	-13	283 - 291	RVTLELGGK
		990.5002	990.5508	51	349 - 357	VVGNPFDSR
		990.5002	990.5508	51	349 - 357	VVGNPFDSR
		999.6196	999.6630	43	509 - 517	TVTVKVPQK
		1040.5774	1040.6255	46	444 - 453	YGLAAAVFTK
		1040.5774	1040.6255	46	444 - 453	YGLAAAVFTK
		1060.5204	1060.5723	49	386 - 396	LLCGGGAAADR
		1100.6058	1100.6571	47	110 - 118	LADLIERDR
		1100.6058	1100.6571	47	110 - 118	LADLIERDR
		1114.6803	1114.6500	-27	2 - 11	LRAALSTARR
		1177.6575	1177.7216	54	429 - 438	FKTIEEVVGR
		1177.6575	1177.7216	54	429 - 438	FKTIEEVVGR
		1233.6334	1233.6995	54	347 - 357	SRVVGNPFDSR
		1369.7871	1369.8557	50	198 - 211	LGPALATGNVVVMK
		1385.7820	1385.8307	35	198 - 211	LGPALATGNVVVMK
		1419.7551	1419.8225	47	417 - 428	EEIFGPVMQILK
		1458.6801	1458.7479	46	150 - 161	YYAGWADKYHGK
		1470.7627	1470.8246	42	397 - 409	GYFIQPTVFGDVK
		1470.7627	1470.8246	42	397 - 409	GYFIQPTVFGDVK
		1506.7070	1506.7605	36	358 - 370	TEQGPQVDETQFK
		1531.7427	1531.8103	44	162 - 174	TIPIDGDFFSYTR
		1599.7900	1599.8579	42	495 - 508	ELGEYGLQAYTEVK
		1634.8020	1634.8657	39	358 - 371	TEQGPQVDETQFKK
		1775.8121	1775.8870	42	327 - 340	TFVQEDVYDEFVER
		1775.8121	1775.8870	42	327 - 340	TFVQEDVYDEFVER
		1844.0527	1844.1237	39	212 - 228	VAEQTPLTALYVANLIK
		1844.0527	1844.1237	39	212 - 228	VAEQTPLTALYVANLIK
2152.1028	2152.1655	29	410 - 428	DGMTIAKEEIFGPVMQILK		
2478.1895	2478.2671	31	349 - 370	VVGNPFDSRTEQGPQVDETQFK		
9	trm Q8VIF7	1025.5989	1025.6180	19	246 - 254	DGLIPLEIR
		1025.5989	1025.6180	19	246 - 254	DGLIPLEIR
		1050.5730	1050.5781	5	412 - 419	QFYPNLIR
		1098.6881	1098.6942	6	94 - 103	LILPSIISR
		1106.5112	1106.5500	35	280 - 289	NEGGTWSVEK
		1149.6262	1149.6129	-12	121 - 130	VIEPNEIHAK
		1223.6279	1223.6302	2	53 - 62	SPHYSQVIHR
		1223.6279	1223.6302	2	53 - 62	SPHYSQVIHR
		1233.6473	1233.6566	8	104 - 114	IYVVDVGSEPR
		1233.6473	1233.6566	8	104 - 114	IYVVDVGSEPR
		1256.6667	1256.6385	-22	236 - 245	HEIIQTLQMK
		1302.7164	1302.7399	18	449 - 460	EPLGPALAHCLR
		1320.6381	1320.5957	-32	236 - 245	HEIIQTLQMK
		1332.7885	1332.7766	-9	345 - 357	LTGQIFLGGSIK
		1383.5605	1383.7026	103	53 - 62	SPHYSQVIHR
		1510.7787	1510.8007	15	161 - 174	GGFVLLDGETFEVK
		1510.7787	1510.8007	15	161 - 174	GGFVLLDGETFEVK
		1667.8328	1667.8281	-3	321 - 333	FLYFSNWLHGDIR

Spot#	Accession#	Calc.Mass	Obs. Mass	ppm	Location(AA#)	Sequence
9 (cont.)	trm Q8VIF7 (cont.)	1711.9159	1711.9235	4	383 - 398	VPGGPQMIQLSLDGKR
		1711.9159	1711.9235	4	383 - 398	VPGGPQMIQLSLDGKR
		1791.8822	1791.7504	-74	383 - 398	VPGGPQMIQLSLDGKR
		1868.0170	1868.0144	-1	382 - 398	RVPGGPQMIQLSLDGKR
		1917.9440	1917.9407	-2	35 - 52	NTGIEAPDYLATVDVDPK
		2433.1614	2433.1833	9	255 - 276	FLHDPDATQGFVGCALSSNIQR
		2547.3716	2547.4021	12	438 - 460	LNPNFLVDFGKEPLGPALAEHLR
Spot#	Accession#	Calc.Mass	Obs. Mass	ppm	Location(AA#)	Sequence
11	gb AAA42278.	772.4828	772.4880	7	189 - 194	LRGWLK
		850.4669	850.4608	-7	143 - 149	VVFEQTK
		850.4669	850.4608	-7	143 - 149	VVFEQTK
		954.4832	954.4739	-10	7 - 14	FFVGGNWK
		954.4832	954.4739	-10	7 - 14	FFVGGNWK
		1082.5781	1082.5677	-10	6 - 14	KFFVGGNWK
		1137.5720	1137.5619	-9	60 - 69	IAVAAQNCYK
		1137.5720	1137.5619	-9	60 - 69	IAVAAQNCYK
		1260.6429	1260.6312	-9	132 - 142	LDEREAGITEK
		1319.6412	1319.6234	-13	150 - 160	AIADNVKDWCK
		1326.6721	1326.6617	-8	207 - 219	IIYGGSVTGATCK
		1326.6721	1326.6617	-8	207 - 219	IIYGGSVTGATCK
		1380.5994	1380.5972	-2	195 - 206	CNVSEGVAQCTR
		1462.7391	1462.6682	-48	21 - 33	CLGELICTLNAAK
		1466.7234	1466.7072	-11	176 - 188	TATPQQAQEVHEK
		1466.7234	1466.7072	-11	176 - 188	TATPQQAQEVHEK
		1472.7379	1472.7249	-9	101 - 113	HIFGESDELIGQK
		1539.7914	1539.7760	-10	86 - 99	DLGATWVVLGHSER
		1602.8889	1602.8660	-14	161 - 175	VVLAYEPVWAIGTGK
		1621.8253	1621.8206	-3	70 - 85	VTNGAFTGEISPGMIK
		1628.8390	1628.8284	-7	100 - 113	RHIFGESDELIGQK
		1637.8202	1637.7958	-15	70 - 85	VTNGAFTGEISPGMIK
1637.8202	1637.7958	-15	70 - 85	VTNGAFTGEISPGMIK		
1695.8925	1695.8700	-13	86 - 100	DLGATWVVLGHSERR		
2206.0847	2206.0662	-8	34 - 53	LPADTEVVCAPPTAYIDFAR		
2206.0847	2206.0662	-8	34 - 53	LPADTEVVCAPPTAYIDFAR		
Spot#	Accession#	Calc.Mass	Obs. Mass	ppm	Location(AA#)	Sequence
14	spt P18418	737.4191	737.4893	95	49 - 55	FVLSSGK
		778.2849	778.2370	-62	386 - 391	EEDDDR
		817.3855	817.3039	-100	49 - 55	FVLSSGK
		827.4410	827.5192	95	74 - 80	FYALSAR
		827.4410	827.5192	95	74 - 80	FYALSAR
		868.4199	868.4874	78	81 - 87	FEPFSNK
		886.3940	886.5093	130	56 - 62	FYGDQEK
		974.5305	974.6174	89	112 - 120	LFPGGLDQK
		974.5305	974.6174	89	112 - 120	LFPGGLDQK
		975.4854	975.6154	133	65 - 73	GLQTSQDAR
		1019.5672	1019.6729	104	144 - 151	VHVIFNYK
		1084.6472	1084.7480	93	154 - 162	NVLINKDIR
		1084.6472	1084.7480	93	154 - 162	NVLINKDIR
		1129.5160	1129.6304	101	56 - 64	FYGDQEKDK
		1129.5160	1129.6304	101	56 - 64	FYGDQEKDK
		1204.6836	1204.7780	78	144 - 153	VHVIFNYKGGK
		1271.6630	1271.7698	84	44 - 55	SDFGKFVLSSGK
		2085.9834	2086.1707	90	56 - 73	FYGDQEKDKGLQTSQDAR