

Gel Idx/Pos	61/E5		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 4	Instrument Sample Name		Spectra	13

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	phosphoglucumutase [Triticum aestivum]	gi 18076790	62749.8	5.66	16	174	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
739.3522	739.3594	0.0072	10	441	445	HY YTR					Mascot
805.3985	805.4172	0.0187	23	77	84	MAAANGVR			Oxidation (M)[1]		Mascot
866.473	866.4642	-0.0088	-10	568	574	IKEYTGR					Mascot
914.4366	914.4307	-0.0059	-6	511	518	YLFGDGSR					Mascot
914.4366	914.4307	-0.0059	-6	511	518	YLFGDGSR	20	0			Mascot
1031.5481	1031.5448	-0.0033	-3	54	64	GATIVVSGDGR					Mascot
1085.5514	1085.5505	-0.0009	-1	535	542	IYIEQYEK					Mascot
1099.567	1099.5607	-0.0063	-6	206	214	TIFDFESIK					Mascot
1110.5619	1110.5526	-0.0093	-8	361	369	FFEVP TGWK					Mascot
1110.5619	1110.5526	-0.0093	-8	361	369	FFEVP TGWK	4	0			Mascot
1118.6165	1118.6014	-0.0151	-13	523	534	LSGTGSVGATIR					Mascot
1118.6165	1118.6014	-0.0151	-13	523	534	LSGTGSVGATIR	4	0			Mascot
1227.662	1227.6482	-0.0138	-11	206	215	TIFDFESIKK					Mascot
1227.662	1227.6482	-0.0138	-11	206	215	TIFDFESIKK	4	0			Mascot
1502.7373	1502.7296	-0.0077	-5	535	546	IYIEQY EK DSSK					Mascot
1717.7817	1717.7936	0.0119	7	259	274	EDFGGGHPD PNLTYAK					Mascot
1846.8582	1846.855	-0.0032	-2	222	238	FSFCFDGLHGVAGAYAK			Carbamidomethyl (C)[4]		Mascot
1846.8582	1846.855	-0.0032	-2	222	238	FSFCFDGLHGVAGAYAK	24	0	Carbamidomethyl (C)[4]		Mascot
2012.1176	2012.1038	-0.0138	-7	86	104	VWVGQDSL LSTPAVSAII R					Mascot
2012.1176	2012.1038	-0.0138	-7	86	104	VWVGQDSL LSTPAVSAII R	18	0			Mascot
2107.9355	2107.938	0.0025	1	441	457	HY YTRYDYENVD AEAAK					Mascot
2168.2188	2168.2043	-0.0145	-7	85	104	RVWVGQDSL LSTPAVSAI IR					Mascot
2168.2188	2168.2043	-0.0145	-7	85	104	RVWVGQDSL LSTPAVSAI IR	4	0			Mascot

Gel Idx/Pos	5/A5		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 4	Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	Phosphoglucumutase, cytoplasmic OS=Bromus inermis GN=PGM1 PE=2 SV=1	PGMC_BROIN	62633.7	5.34	10	135

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
739.3522	739.3585	0.0063	9	441	445 HYYTR					Mascot
914.4366	914.4354	-0.0012	-1	511	518 YLFGDGSR	36	88.337			Mascot
914.4366	914.4354	-0.0012	-1	511	518 YLFGDGSR					Mascot
1031.5481	1031.5494	0.0013	1	54	64 GATIVVSGDGR	15	0			Mascot
1031.5481	1031.5494	0.0013	1	54	64 GATIVVSGDGR					Mascot
1085.5514	1085.5634	0.012	11	535	542 IYIEQYEK					Mascot
1099.567	1099.5635	-0.0035	-3	206	214 TIFDFESIK					Mascot
1110.5619	1110.5565	-0.0054	-5	361	369 FFEVPTGWK	3	0			Mascot
1110.5619	1110.5565	-0.0054	-5	361	369 FFEVPTGWK					Mascot
1118.6165	1118.6075	-0.009	-8	523	534 LSGTGSGVATIR					Mascot
1118.6165	1118.6075	-0.009	-8	523	534 LSGTGSGVATIR					Mascot
1227.662	1227.6547	-0.0073	-6	206	215 TIFDFESIKK	18	0			Mascot
1227.662	1227.6547	-0.0073	-6	206	215 TIFDFESIKK					Mascot
1502.7373	1502.7378	0.0005	0	535	546 IYIEQYEKDSSK					Mascot
1717.7817	1717.7972	0.0155	9	259	274 EDFGGGHPDPNLTYAK	4	0			Mascot
1717.7817	1717.7972	0.0155	9	259	274 EDFGGGHPDPNLTYAK					Mascot

Gel Idx/Pos	5/A5		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 4	Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Phosphoglucumutase (Fragment) OS=Triticum aestivum GN=PGM PE=2 SV=1	Q8VX48_WHEAT	62749.8	5.66	14	206	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
739.3522	739.3585	0.0063	9	441	445 HYYTR					Mascot
866.473	866.4668	-0.0062	-7	568	574 IKEYTGR					Mascot
914.4366	914.4354	-0.0012	-1	511	518 YLFGDGSR	36	0			Mascot
914.4366	914.4354	-0.0012	-1	511	518 YLFGDGSR					Mascot
1031.5481	1031.5494	0.0013	1	54	64 GATIVVSGDGR	15	0			Mascot
1031.5481	1031.5494	0.0013	1	54	64 GATIVVSGDGR					Mascot
1085.5514	1085.5634	0.012	11	535	542 IYIEQYEK					Mascot
1099.567	1099.5635	-0.0035	-3	206	214 TIFDFESIK					Mascot
1110.5619	1110.5565	-0.0054	-5	361	369 FFEVPTGWK	3	0			Mascot
1110.5619	1110.5565	-0.0054	-5	361	369 FFEVPTGWK					Mascot
1118.6165	1118.6075	-0.009	-8	523	534 LSGTGSGVATIR					Mascot
1118.6165	1118.6075	-0.009	-8	523	534 LSGTGSGVATIR					Mascot
1227.662	1227.6547	-0.0073	-6	206	215 TIFDFESIKK	18	0			Mascot
1227.662	1227.6547	-0.0073	-6	206	215 TIFDFESIKK					Mascot
1502.7373	1502.7378	0.0005	0	535	546 IYIEQYEKDSK					Mascot
1717.7817	1717.7972	0.0155	9	259	274 EDFGGGHPDPNLTYAK	4	0			Mascot
1717.7817	1717.7972	0.0155	9	259	274 EDFGGGHPDPNLTYAK					Mascot
1846.8582	1846.8528	-0.0054	-3	222	238 FSFCFDGLHGVAGAYAK	23	0	Carbamidomethyl (C)[4]		Mascot
1846.8582	1846.8528	-0.0054	-3	222	238 FSFCFDGLHGVAGAYAK			Carbamidomethyl (C)[4]		Mascot
2012.1176	2012.111	-0.0066	-3	86	104 VWVGQDSLSTPAVSAII R	0	0			Mascot
2012.1176	2012.111	-0.0066	-3	86	104 VWVGQDSLSTPAVSAII R					Mascot
2168.2188	2168.2144	-0.0044	-2	85	104 RVWVGQDSLSTPAVSAI IR					Mascot
2168.2188	2168.2144	-0.0044	-2	85	104 RVWVGQDSLSTPAVSAI IR					Mascot

Gel Idx/Pos	7/A7		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 6	Instrument Sample Name		Spectra	10

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species	
1	UDP-glucose pyrophosphorylase [Dendrocalamus sinicus]	gi 158705664	51794.2	5.34	7	213	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
790.457	790.4648	0.0078	10	407	413 VANFLAR	9	0			Mascot
790.457	790.4648	0.0078	10	407	413 VANFLAR					Mascot
918.5519	918.5547	0.0028	3	406	413 KVANFLAR					Mascot
918.5519	918.5547	0.0028	3	406	413 KVANFLAR					Mascot
1052.5371	1052.5342	-0.0029	-3	261	270 GGTLISYEGR	19	0			Mascot
1052.5371	1052.5342	-0.0029	-3	261	270 GGTLISYEGR					Mascot
1312.7583	1312.7484	-0.0099	-8	333	345 VLQLETAAGAAIR	33	0			Mascot
1312.7583	1312.7484	-0.0099	-8	333	345 VLQLETAAGAAIR					Mascot
1475.741	1475.7572	0.0162	11	1	14 MAAAVAAADEKLEK			Acetyl (Protein N-term)[0], Oxidation (M)[1]		Mascot
1475.8005	1475.7572	-0.0433	-29	295	306 IFNTNNLWVNLK	28	0			Mascot
2108.1023	2108.0962	-0.0061	-3	271	288 VQLLEIAQVPDEHVNEFK	52	89.267			Mascot

Gel Idx/Pos	7/A7		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 6	Instrument Sample Name		Spectra	9

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	UTP--glucose-1-phosphate uridylyltransferase OS=Hordeum vulgare PE=2 SV=1	UGPA_HORVU	51612.2	5.2	5	163	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
790.457	790.4695	0.0125	16	407	413 VANFLAR	21	0			Mascot
790.457	790.4695	0.0125	16	407	413 VANFLAR					Mascot
918.5519	918.5562	0.0043	5	406	413 KVANFLAR	4	0			Mascot
918.5519	918.5562	0.0043	5	406	413 KVANFLAR					Mascot
1052.5371	1052.5374	0.0003	0	261	270 GGT LISYEGR	42	95.019			Mascot
1052.5371	1052.5374	0.0003	0	261	270 GGT LISYEGR					Mascot
1312.7583	1312.7399	-0.0184	-14	333	345 VLQLETAAGAAIR	61	99.938			Mascot
1312.7583	1312.7399	-0.0184	-14	333	345 VLQLETAAGAAIR					Mascot
1475.8005	1475.7637	-0.0368	-25	295	306 IFNTNNLWVNLK					Mascot
1475.8005	1475.7637	-0.0368	-25	295	306 IFNTNNLWVNLK					Mascot

Gel Idx/Pos	63/E7		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 6	Instrument Sample Name		Spectra	15

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	UDP-glucose pyrophosphorylase OS=Dendrocalamus sinicus GN=ugp PE=2 SV=1	A8W7I0_9POAL	51794.2	5.34	10	183	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
790.457	790.451	-0.006	-8	407	413 VANFLAR	15	0			Mascot
790.457	790.451	-0.006	-8	407	413 VANFLAR					Mascot
846.5196	846.516	-0.0036	-4	358	364 SRFLPVK					Mascot
918.5519	918.5479	-0.004	-4	406	413 KVANFLAR					Mascot
918.5519	918.5479	-0.004	-4	406	413 KVANFLAR					Mascot
1052.5371	1052.5353	-0.0018	-2	261	270 GGTLSYEGR	19	0			Mascot
1052.5371	1052.5353	-0.0018	-2	261	270 GGTLSYEGR					Mascot
1312.7583	1312.754	-0.0043	-3	333	345 VLQLETAAGAAIR	18	0			Mascot
1312.7583	1312.754	-0.0043	-3	333	345 VLQLETAAGAAIR					Mascot
1376.7686	1376.7339	-0.0347	-25	346	357 FFDKAIGINVPR					Mascot
1376.7686	1376.7339	-0.0347	-25	346	357 FFDKAIGINVPR					Mascot
1475.741	1475.7789	0.0379	26	1	14 MAAAVAAADEKLEK			Acetyl (Protein N-term)[0], Oxidation (M)[1]		Mascot
1475.8005	1475.7789	-0.0216	-15	295	306 IFNTNNLWVNLK					Mascot
1539.7325	1539.7197	-0.0128	-8	40	52 YLSGEAEQIEWSK	14	0			Mascot
1539.7325	1539.7197	-0.0128	-8	40	52 YLSGEAEQIEWSK					Mascot
2108.1023	2108.0942	-0.0081	-4	271	288 VQLLEIAQVPDEHVNEFK	31	0			Mascot
2108.1023	2108.0942	-0.0081	-4	271	288 VQLLEIAQVPDEHVNEFK					Mascot

Analysis Information

Report Type	Protein-Peptide Summary by Spot	Analysis Type	Combined (MS+MS/MS)
Sample Set Name	T091217_0062_efd_SH	Database	Trembl
Analysis Name	MS MSMS viridi 2 trembl	Creation Date	12/17/2009 16:56:10
Reported By	12/23/2009 11:03:02 - admin	Last Modified	12/17/2009 16:59:47
MS Acq. : Proc. Methods	(Unspecified) : (Unspecified)		
Interpretation Method	(Unspecified)		

Gel Idx/Pos	57/E1	SPOT 7	Instr./Gel Origin	ESTHER/T091217_0062_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062		Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score
1	Cytosolic monodehydroascorbate reductase OS=Oryza sativa subsp. japonica PE=2 SV=1	Q9XFZ3_ORYSJ	46602.1	5.53	7	153

Protein Group

Os09g0567300 protein OS=Oryza sativa subsp. japonica GN=OJ1155_H10.27 PE=4 SV=1	Q652L6_ORYSJ	46644.1	5.53000020980835
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
791.3417	791.3777	0.036	45	148	154	EVDDADK					Mascot
791.3417	791.3777	0.036	45	148	154	EVDDADK					Mascot
1090.5752	1090.5143	-0.0609	-56	313	321	VEHVDHARK					Mascot
1118.5814	1118.5531	-0.0283	-25	312	320	RVEHVDHAR	18	0			Mascot
1118.5814	1118.5531	-0.0283	-25	312	320	RVEHVDHAR					Mascot
1136.5847	1136.5565	-0.0282	-25	54	63	GYLFPQNAAR	42	31.503			Mascot
1136.5847	1136.5565	-0.0282	-25	54	63	GYLFPQNAAR					Mascot
1200.6049	1200.5863	-0.0186	-15	382	391	FGSYWIKDGK					Mascot
1437.7849	1437.766	-0.0189	-13	9	23	YVILGGGVAAGYAAR	22	0			Mascot
1437.7849	1437.766	-0.0189	-13	9	23	YVILGGGVAAGYAAR					Mascot
2388.103	2388.1057	0.0027	1	332	351	GKESGESVVEYDYLPHYYSR	24	0			Mascot

Gel Idx/Pos	65/E9		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 8	Instrument Sample Name		Spectra	13

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score
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1

enolase [Zea mays]

gi|195619804

48100.4

5.59

5

112

Protein Group

enolase 2 [Zea mays]

gi|162460735

48132.5

5.6999
998092
6514

unknown [Zea mays]

gi|223944349

48084.5

5.5900
001525
8789

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
806.4519	806.4272	-0.0247	-31	418	423 YNQLLR					Mascot
806.4519	806.4272	-0.0247	-31	418	423 YNQLLR	12	0			Mascot
978.5043	978.476	-0.0283	-29	439	446 FRAPVEPY					Mascot
978.5043	978.476	-0.0283	-29	439	446 FRAPVEPY	16	0			Mascot
1101.5259	1101.4999	-0.026	-24	374	383 AGWGVMTSHR					Mascot
1101.5259	1101.4999	-0.026	-24	374	383 AGWGVMTSHR	35	0			Mascot
1938.0226	1937.9325	-0.0901	-46	1	17 MAATIQSVKARQIFDSR			Oxidation (M)[1]		Mascot
1938.0226	1937.9325	-0.0901	-46	1	17 MAATIQSVKARQIFDSR			Oxidation (M)[1]		Mascot
2557.2815	2557.2739	-0.0076	-3	316	338 MTEEIGEQQIVGDDLLV TNPTR					Mascot
2557.2815	2557.2739	-0.0076	-3	316	338 MTEEIGEQQIVGDDLLV TNPTR	20	0			Mascot

Gel Idx/Pos	65/E9		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 8	Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	Enolase 2 OS=Zea mays GN=ENO2 PE=2 SV=1	ENO2_MAIZE	48132.5	5.7	8	93

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
806.4519	806.446	-0.0059	-7	418	423 YNQLLR	16	0			Mascot
806.4519	806.446	-0.0059	-7	418	423 YNQLLR					Mascot
978.5043	978.5016	-0.0027	-3	439	446 FRAPVEPY	8	0			Mascot
978.5043	978.5016	-0.0027	-3	439	446 FRAPVEPY					Mascot
1101.5259	1101.5242	-0.0017	-2	374	383 AGWGVMTSHR					Mascot
1101.5259	1101.5242	-0.0017	-2	374	383 AGWGVMTSHR					Mascot
1117.5208	1117.5293	0.0085	8	374	383 AGWGVMTSHR			Oxidation (M)[6]		Mascot
1118.6238	1118.5629	-0.0609	-54	345	354 EKSCNALLK					Mascot
1178.5411	1178.5975	0.0564	48	103	111 NEWGWCKQK					Mascot
1273.6219	1273.6272	0.0053	4	373	383 RAGWGVMTSHR			Oxidation (M)[7]		Mascot
1938.0226	1937.9336	-0.089	-46	1	17 MAATIQSVKARQIFDSR			Oxidation (M)[1]		Mascot
1938.0226	1937.9336	-0.089	-46	1	17 MAATIQSVKARQIFDSR			Oxidation (M)[1]		Mascot
2557.2815	2557.262	-0.0195	-8	316	338 MTEEIGEQQIVGDDLLV TNPTR	19	0			Mascot
2557.2815	2557.262	-0.0195	-8	316	338 MTEEIGEQQIVGDDLLV TNPTR					Mascot

Gel Idx/Pos	65/E9		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 8	Instrument Sample Name		Spectra	13

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Enolase 2 OS=Zea mays GN=ENO2 PE=2 SV=1	ENO2_MAIZE	48132.5	5.7	5	112	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
806.4519	806.4272	-0.0247	-31	418	423 YNQLLR					Mascot
806.4519	806.4272	-0.0247	-31	418	423 YNQLLR	12	0			Mascot
978.5043	978.476	-0.0283	-29	439	446 FRAPVEPY					Mascot
978.5043	978.476	-0.0283	-29	439	446 FRAPVEPY	16	0			Mascot
1101.5259	1101.4999	-0.026	-24	374	383 AGWGVMTSHR					Mascot
1101.5259	1101.4999	-0.026	-24	374	383 AGWGVMTSHR	35	87.665			Mascot
1938.0226	1937.9325	-0.0901	-46	1	17 MAATIQSVKARQIFDSR			Oxidation (M)[1]		Mascot
1938.0226	1937.9325	-0.0901	-46	1	17 MAATIQSVKARQIFDSR			Oxidation (M)[1]		Mascot
2557.2815	2557.2739	-0.0076	-3	316	338 MTEEIGEQQIVGDDLLV TNPTR					Mascot
2557.2815	2557.2739	-0.0076	-3	316	338 MTEEIGEQQIVGDDLLV TNPTR	20	0			Mascot

Gel Idx/Pos	10/A10		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 9	Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	enolase [Elaeis guineensis]	gi 192910834	47728.3	5.98	8	126

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
806.4519	806.4601	0.0082	10	417	422 YNQLLR					Mascot
806.4519	806.4601	0.0082	10	417	422 YNQLLR					Mascot
978.5043	978.5101	0.0058	6	438	445 FRAPVEPY					Mascot
978.5043	978.5101	0.0058	6	438	445 FRAPVEPY					Mascot
1045.6187	1045.5791	-0.0396	-38	2	10 ATIKCIKAR			Acetyl (Protein N-term)[0]		Mascot
1045.6187	1045.5791	-0.0396	-38	2	10 ATIKCIKAR			Acetyl (Protein N-term)[0]		Mascot
1101.5259	1101.5291	0.0032	3	373	382 AGWGVMTSHR					Mascot
1101.5259	1101.5291	0.0032	3	373	382 AGWGVMTSHR					Mascot
1117.5208	1117.5223	0.0015	1	373	382 AGWGVMTSHR			Oxidation (M)[6]		Mascot
1117.5208	1117.5223	0.0015	1	373	382 AGWGVMTSHR			Oxidation (M)[6]		Mascot
1189.6609	1189.5928	-0.0681	-57	344	353 EKTCNALLK			Carbamidomethyl (C)[4]		Mascot
1189.6609	1189.5928	-0.0681	-57	344	353 EKTCNALLK			Carbamidomethyl (C)[4]		Mascot
1308.6794	1308.662	-0.0174	-13	53	65 DGGSDYLGKGVLK					Mascot
1679.9591	1679.9418	-0.0173	-10	132	146 KIPLYQHIANLAGNK	20	0			Mascot
1679.9591	1679.9418	-0.0173	-10	132	146 KIPLYQHIANLAGNK					Mascot
2557.2815	2557.2925	0.011	4	315	337 MTEEIGEQQIVGDDLLV TNPTR	34	0			Mascot
2557.2815	2557.2925	0.011	4	315	337 MTEEIGEQQIVGDDLLV TNPTR					Mascot

2	hypothetical protein Osl_10758 [Oryza sativa Indica Group]	gi 218192440	47956.4	5.33	6	99
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Protein Group

Os03g0248600 [Oryza sativa (japonica cultivar-group)]	gi 115451911	47942.4	5.3200 001716 6138
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
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806.4519	806.4601	0.0082	10	417	422	YNQLLR			Mascot
806.4519	806.4601	0.0082	10	417	422	YNQLLR			Mascot
978.5043	978.5101	0.0058	6	438	445	FRAPVEPY			Mascot
978.5043	978.5101	0.0058	6	438	445	FRAPVEPY			Mascot
1101.5259	1101.5291	0.0032	3	373	382	AGWGVMTSHR			Mascot
1101.5259	1101.5291	0.0032	3	373	382	AGWGVMTSHR			Mascot
1117.5208	1117.5223	0.0015	1	373	382	AGWGVMTSHR		Oxidation (M)[6]	Mascot
1117.5208	1117.5223	0.0015	1	373	382	AGWGVMTSHR		Oxidation (M)[6]	Mascot
1189.6034	1189.5928	-0.0106	-9	190	199	MGVEVYHNLK	32	0	Mascot
1189.6034	1189.5928	-0.0106	-9	190	199	MGVEVYHNLK			Mascot
1308.6794	1308.662	-0.0174	-13	54	66	DGGSDYLKGVLK			Mascot
1679.9591	1679.9418	-0.0173	-10	133	147	KIPLYQHIANLAGNK	20	0	Mascot
1679.9591	1679.9418	-0.0173	-10	133	147	KIPLYQHIANLAGNK			Mascot

Gel Idx/Pos	10/A10		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 9	Instrument Sample Name		Spectra	13

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	Enolase OS=Oryza sativa subsp. japonica GN=ENO1 PE=1 SV=2	ENO_ORYSJ	47942.4	5.41	7	128

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
806.4519	806.4537	0.0018	2	418	423 YNQLLR	10	0			Mascot
806.4519	806.4537	0.0018	2	418	423 YNQLLR					Mascot
978.5043	978.5051	0.0008	1	439	446 FRAPVEPY	12	0			Mascot
978.5043	978.5051	0.0008	1	439	446 FRAPVEPY					Mascot
1101.5259	1101.5278	0.0019	2	374	383 AGWGVMTSHR					Mascot
1101.5259	1101.5278	0.0019	2	374	383 AGWGVMTSHR					Mascot
1117.5208	1117.5275	0.0067	6	374	383 AGWGVMTSHR			Oxidation (M)[6]		Mascot
1117.5208	1117.5275	0.0067	6	374	383 AGWGVMTSHR			Oxidation (M)[6]		Mascot
1189.6034	1189.5989	-0.0045	-4	190	199 MGVEVYHNLK	25	0			Mascot
1189.6034	1189.5989	-0.0045	-4	190	199 MGVEVYHNLK					Mascot
1533.7795	1533.8076	0.0281	18	424	438 IEEELGAAAVYAGAK			Acetyl (K)[15]		Mascot
1679.9591	1679.947	-0.0121	-7	133	147 KIPLYQHIANLAGNK	43	95.123			Mascot
1679.9591	1679.947	-0.0121	-7	133	147 KIPLYQHIANLAGNK					Mascot
2557.3542	2557.2737	-0.0805	-31	347	369 SCNALLLKVNQIGSVTESI EAVK			Acetyl (K)[8,23], Carbamidomethyl (C)[2]		Mascot

Gel Idx/Pos	10/A10		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 9	Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
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1	Enolase OS=Elaeis guineensis var. tenera PE=2 SV=1	B3TLU4_ELAGV	47728.3	5.98	8	126
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
806.4519	806.4601	0.0082	10	417	422	YNQLLR					Mascot
806.4519	806.4601	0.0082	10	417	422	YNQLLR					Mascot
978.5043	978.5101	0.0058	6	438	445	FRAPVEPY					Mascot
978.5043	978.5101	0.0058	6	438	445	FRAPVEPY					Mascot
1045.6187	1045.5791	-0.0396	-38	2	10	ATIKCIKAR			Acetyl (Protein N-term)[0]		Mascot
1045.6187	1045.5791	-0.0396	-38	2	10	ATIKCIKAR			Acetyl (Protein N-term)[0]		Mascot
1101.5259	1101.5291	0.0032	3	373	382	AGWGVMTSHR					Mascot
1101.5259	1101.5291	0.0032	3	373	382	AGWGVMTSHR					Mascot
1117.5208	1117.5223	0.0015	1	373	382	AGWGVMTSHR			Oxidation (M)[6]		Mascot
1117.5208	1117.5223	0.0015	1	373	382	AGWGVMTSHR			Oxidation (M)[6]		Mascot
1189.6609	1189.5928	-0.0681	-57	344	353	EKTCNALLK			Carbamidomethyl (C)[4]		Mascot
1189.6609	1189.5928	-0.0681	-57	344	353	EKTCNALLK			Carbamidomethyl (C)[4]		Mascot
1308.6794	1308.662	-0.0174	-13	53	65	DGGS DYLGKGV LK					Mascot
1679.9591	1679.9418	-0.0173	-10	132	146	KIPLYQHIANLAGNK	20	0			Mascot
1679.9591	1679.9418	-0.0173	-10	132	146	KIPLYQHIANLAGNK					Mascot
2557.2815	2557.2925	0.011	4	315	337	MTEEIGE QVQIVGDDL V	34	0			Mascot
2557.2815	2557.2925	0.011	4	315	337	MTEEIGE QVQIVGDDL V					Mascot

2	Enolase OS=Oryza sativa subsp. japonica GN=Os03g0248600 PE=2 SV=1	Q10P35_ORYSJ	47942.4	5.32	6	99
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
806.4519	806.4601	0.0082	10	417	422	YNQLLR					Mascot
806.4519	806.4601	0.0082	10	417	422	YNQLLR					Mascot
978.5043	978.5101	0.0058	6	438	445	FRAPVEPY					Mascot

978.5043	978.5101	0.0058	6	438	445	FRAPVEPY			Mascot
1101.5259	1101.5291	0.0032	3	373	382	AGWGVMTSHR			Mascot
1101.5259	1101.5291	0.0032	3	373	382	AGWGVMTSHR			Mascot
1117.5208	1117.5223	0.0015	1	373	382	AGWGVMTSHR		Oxidation (M)[6]	Mascot
1117.5208	1117.5223	0.0015	1	373	382	AGWGVMTSHR		Oxidation (M)[6]	Mascot
1189.6034	1189.5928	-0.0106	-9	190	199	MGVEVYHNLK	32	0	Mascot
1189.6034	1189.5928	-0.0106	-9	190	199	MGVEVYHNLK			Mascot
1308.6794	1308.662	-0.0174	-13	54	66	DGGSDYLGKGVLK			Mascot
1679.9591	1679.9418	-0.0173	-10	133	147	KIPLYQHIANLAGNK	20	0	Mascot
1679.9591	1679.9418	-0.0173	-10	133	147	KIPLYQHIANLAGNK			Mascot

Analysis Information

Report Type	Protein-Peptide Summary by Spot	Analysis Type	Combined (MS+MS/MS)
Sample Set Name	T091217_0062_efd_SH	Database	Trembl
Analysis Name	MS MSMS viridi 3 trembl	Creation Date	12/18/2009 10:46:15
Reported By	12/23/2009 11:04:01 - admin	Last Modified	12/18/2009 10:49:07
MS Acq. : Proc. Methods	(Unspecified) : (Unspecified)		
Interpretation Method	(Unspecified)		

Gel Idx/Pos	84/G2	Instr./Gel Origin	ESTHER/T091217_0062_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	Instrument Sample Name		Spectra	9

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score
3	Major pollen allergen Phl p 4 OS=Phleum pratense PE=2 SV=1	Q2I6V7_PHLPR	58190.8	9.18	3	92

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1197.59	1197.6417	0.0517	43	504	513 GKVDPTDYFR	31	0			Mascot
1197.59	1197.6417	0.0517	43	504	513 GKVDPTDYFR					Mascot
1320.579	1320.6368	0.0578	44	220	230 SMGDDHFWAVR	16	0			Mascot
1320.579	1320.6368	0.0578	44	220	230 SMGDDHFWAVR					Mascot
1336.574	1336.6244	0.0504	38	220	230 SMGDDHFWAVR	13	0	Oxidation (M)[2]		Mascot
1475.7853	1475.8203	0.035	24	53	66 SSPAYPSVLGQTIR	24	0			Mascot
1475.7853	1475.8203	0.035	24	53	66 SSPAYPSVLGQTIR					Mascot

Gel Idx/Pos	59/E3		Instr./Gel Origin	ESTHER/T091217_0062_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 14	Instrument Sample Name		Spectra	4

Rank
Protein Name
Accession No.
Protein MW
Protein PI
Pep. Count
Protein Species Score

2
Legumin-like protein OS=Zea mays GN=cl2-2 PE=2 SV=1
Q84TL6_MAIZE
38054.7
6.23
2
92

Protein Group

Legumin-like protein OS=Zea mays PE=2 SV=1
B6TFX9_MAIZE
38042.6
6.23000001907349

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1028.5735	1028.5925	0.019	18	225	234	EVGLGADLVR	30	0			Mascot
1028.5735	1028.5925	0.019	18	225	234	EVGLGADLVR					Mascot
1187.6783	1187.699	0.0207	17	278	288	IEGGSFLFIVPR	43	64.1			Mascot
1187.6783	1187.699	0.0207	17	278	288	IEGGSFLFIVPR					Mascot

5
Alcohol dehydrogenase D (Fragment) OS=Gossypium rotundifolium GN=AdhD PE=3 SV=1
O65925_9ROSI
24145.1
7.21
1
54

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1054.5641	1054.6184	0.0543	51	180	189	IXGVDLNPNR	45	77.453			Mascot

Gel Idx/Pos	3/A3		Instr./Gel Origin	ESTHER/T091203_0060_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091203_0060	SPOT 20	Instrument Sample Name		Spectra	7

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Total Ion Score	Total Ion C. I. %	
1	Pollen allergen Phl p 5b (Fragment) OS=Phleum pratense PE=1 SV=2	MPA5B_PHLPR	27984.6	8.75	4	231	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1112.5986	1112.58	-0.0186	-17	229	238	YAVFEAALTK	29	91.517		1	Mascot
1455.7479	1455.75	0.0021	1	115	127	FDSFVASLTEALR	135	100		1	Mascot
1842.0371	1842.04	0.0029	2	150	166	IPAGELQIIDKIDAAFK	63	99.997		1	Mascot
2427.219	2427.21	-0.009	-4	167	190	VAATAAATAPADDKFTVF EAAFNK	4	0		1	Mascot

Gel Idx/Pos	62/E6	SPOT 23	Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621		Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Species
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2	Pollen allergen Phl p 1 precursor (Phl p I)	gil1171008	28439.2	6.14	10	228
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
859.4672	859.4438	-0.0234	-27	170	176	VTFHVEK					Mascot
890.5095	890.4931	-0.0164	-18	228	235	LTGPFTVR	10	0			Mascot
890.5095	890.4931	-0.0164	-18	228	235	LTGPFTVR					Mascot
1004.4948	1004.4855	-0.0093	-9	214	221	ESWGAIWR	39	74.05			Mascot
1004.4948	1004.4855	-0.0093	-9	214	221	ESWGAIWR					Mascot
1116.6412	1116.6196	-0.0216	-19	205	213	GKDKWIELK					Mascot
1149.5898	1149.5845	-0.0053	-5	149	158	SAGELELQFR	50	98.059			Mascot
1149.5898	1149.5845	-0.0053	-5	149	158	SAGELELQFR					Mascot
1288.726	1288.709	-0.017	-13	177	188	GSNPNYLALLVK					Mascot
1305.691	1305.6821	-0.0089	-7	149	159	SAGELELQFRR					Mascot
1305.691	1305.6821	-0.0089	-7	149	159	SAGELELQFRR					Mascot
1349.6848	1349.6796	-0.0052	-4	46	58	STWYGKPTGAGPK					Mascot
1463.7377	1463.7131	-0.0246	-17	189	202	YVNGDGDVVAVDIK					Mascot
1559.8429	1559.8411	-0.0018	-1	222	235	IDTPDKLTGPFTVR	79	99.997			Mascot
1559.8429	1559.8411	-0.0018	-1	222	235	IDTPDKLTGPFTVR					Mascot

Gel Idx/Pos	62/E6		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 23	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Pollen allergen Phl p 1 OS=Phleum pratense GN=PHLPI PE=1 SV=1	MPAP1_PHLPR	28439.2	6.14	10	227	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
859.4672	859.4438	-0.0234	-27	170	176 VTFHVEK					Mascot
890.5095	890.4931	-0.0164	-18	228	235 LTGPFTVR	10	0			Mascot
890.5095	890.4931	-0.0164	-18	228	235 LTGPFTVR					Mascot
1004.4948	1004.4855	-0.0093	-9	214	221 ESWGAIWR	39	97.744			Mascot
1004.4948	1004.4855	-0.0093	-9	214	221 ESWGAIWR					Mascot
1116.6412	1116.6196	-0.0216	-19	205	213 GKDKWIELK					Mascot
1149.5898	1149.5845	-0.0053	-5	149	158 SAGELELQFR	50	99.831			Mascot
1149.5898	1149.5845	-0.0053	-5	149	158 SAGELELQFR					Mascot
1288.726	1288.709	-0.017	-13	177	188 GSNPNYLALLVK					Mascot
1305.691	1305.6821	-0.0089	-7	149	159 SAGELELQFRR					Mascot
1305.691	1305.6821	-0.0089	-7	149	159 SAGELELQFRR					Mascot
1349.6848	1349.6796	-0.0052	-4	46	58 STWYGKPTGAGPK					Mascot
1463.7377	1463.7131	-0.0246	-17	189	202 YVNGDGDVVAVDIK					Mascot
1559.8429	1559.8411	-0.0018	-1	222	235 IDTPDKLTGPFTVR	79	100			Mascot
1559.8429	1559.8411	-0.0018	-1	222	235 IDTPDKLTGPFTVR					Mascot

Gel Idx/Pos	63/E7		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 24	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score
2	Pollen allergen Phl p 1 precursor (Phl p I)	gi 1171008	28439.2	6.14	6	64

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
890.5095	890.4937	-0.0158	-18	228	235	LTGPFTVR					Mascot
973.5425	973.5164	-0.0261	-27	141	148	KGDEQKLR					Mascot
1004.4948	1004.4966	0.0018	2	214	221	ESWGAIWR	24	0			Mascot
1004.4948	1004.4966	0.0018	2	214	221	ESWGAIWR					Mascot
1149.5898	1149.5845	-0.0053	-5	149	158	SAGELELQFR	20	0			Mascot
1149.5898	1149.5845	-0.0053	-5	149	158	SAGELELQFR					Mascot
1288.726	1288.7006	-0.0254	-20	177	188	GSNPNYLALLVK					Mascot
1559.8429	1559.8372	-0.0057	-4	222	235	IDTPDKLTGPFTVR					Mascot

Gel Idx/Pos	7/A7		Instr./Gel Origin	ESTHER/T091203_0060_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091203_0060	SPOT 24	Instrument Sample Name		Spectra	10

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Pollen allergen Phl p 1 OS=Phleum pratense GN=PHLPI PE=1 SV=1	MPAP1_PHLPR	28439.2	6.14	6	257	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
890.5095	890.5115	0.002	2	228	235 LTGPFTVR					Mascot
890.5095	890.5115	0.002	2	228	235 LTGPFTVR					Mascot
1004.4948	1004.5005	0.0057	6	214	221 ESWGAIWR	72	99.996			Mascot
1004.4948	1004.5005	0.0057	6	214	221 ESWGAIWR					Mascot
1149.5898	1149.5983	0.0085	7	149	158 SAGELELQFR	44	97.441			Mascot
1149.5898	1149.5983	0.0085	7	149	158 SAGELELQFR					Mascot
1288.726	1288.7212	-0.0048	-4	177	188 GSNPNYLALLVK	24	0			Mascot
1288.726	1288.7212	-0.0048	-4	177	188 GSNPNYLALLVK					Mascot
1349.6848	1349.6899	0.0051	4	46	58 STWYGKPTGAGPK	8	0			Mascot
1349.6848	1349.6899	0.0051	4	46	58 STWYGKPTGAGPK					Mascot
1559.8429	1559.8533	0.0104	7	222	235 IDTPDKLTGPFTVR	51	99.518			Mascot
1559.8429	1559.8533	0.0104	7	222	235 IDTPDKLTGPFTVR					Mascot

Gel Idx/Pos	9/A9		Instr./Gel Origin	ESTHER/T091203_0060_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091203_0060	SPOT 26	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Pollen allergen Phl p 1 OS=Phleum pratense GN=PHLPI PE=1 SV=1	MPAP1_PHLPR	28439.2	6.14	6	205	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1004.4948	1004.4952	0.0004	0	214	221 ESWGAIWR	53	99.792			Mascot
1004.4948	1004.4952	0.0004	0	214	221 ESWGAIWR					Mascot
1149.5898	1149.5848	-0.005	-4	149	158 SAGELELQFR	47	99.024			Mascot
1149.5898	1149.5848	-0.005	-4	149	158 SAGELELQFR					Mascot
1288.726	1288.7085	-0.0175	-14	177	188 GSNPNYLALLVK	23	0			Mascot
1288.726	1288.7085	-0.0175	-14	177	188 GSNPNYLALLVK					Mascot
1305.691	1305.6824	-0.0086	-7	149	159 SAGELELQFRR	1	0			Mascot
1305.691	1305.6824	-0.0086	-7	149	159 SAGELELQFRR					Mascot
1349.6848	1349.6764	-0.0084	-6	46	58 STWYGKPTGAGPK	3	0			Mascot
1349.6848	1349.6764	-0.0084	-6	46	58 STWYGKPTGAGPK					Mascot
1559.8429	1559.8344	-0.0085	-5	222	235 IDTPDKLTGPFTVR	33	75.37			Mascot
1559.8429	1559.8344	-0.0085	-5	222	235 IDTPDKLTGPFTVR					Mascot

Gel Idx/Pos	66/E10		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 27	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	pollen allergen Phl pl [Phleum pratense]	gi 3901094	28185.2	7.53	5	86	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
859.4672	859.4523	-0.0149	-17	170	176 VTFHVEK					Mascot
1004.4948	1004.4935	-0.0013	-1	214	221 ESWGAIWR	34	31.455			Mascot
1004.4948	1004.4935	-0.0013	-1	214	221 ESWGAIWR					Mascot
1135.5742	1135.5673	-0.0069	-6	149	158 SAGEVEIQFR	38	70.961			Mascot
1135.5742	1135.5673	-0.0069	-6	149	158 SAGEVEIQFR					Mascot
1288.726	1288.7097	-0.0163	-13	177	188 GSNPNYLALLVK					Mascot
1571.8793	1571.8674	-0.0119	-8	222	235 IDTPEVLKGPFTVR					Mascot

2	allergen Phl p I	gi 1582250	28143.2	8.35	5	85	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
859.4672	859.4523	-0.0149	-17	170	176 VTFHVEK					Mascot
1004.4948	1004.4935	-0.0013	-1	213	220 ESWGAIWR	34	31.455			Mascot
1004.4948	1004.4935	-0.0013	-1	213	220 ESWGAIWR					Mascot
1135.5742	1135.5673	-0.0069	-6	149	158 SAGEVEIQFR	38	70.961			Mascot
1135.5742	1135.5673	-0.0069	-6	149	158 SAGEVEIQFR					Mascot
1288.726	1288.7097	-0.0163	-13	177	188 GSNPNYLALLVK					Mascot
1571.8793	1571.8674	-0.0119	-8	221	234 IDTPEVLKGPFTVR					Mascot

Gel Idx/Pos	67/E11		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 28	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Species
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1	Cinnamyl alcohol dehydrogenase 2 (CAD 2)	qil10719915	38808.4	5.8	10	69
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
749.3676	749.3716	0.004	5	2	8	GSLESEK					Mascot
1471.7145	1471.744	0.0295	20	87	101	VGEHVGVCIVGSCR	17	0			Mascot
1471.7145	1471.744	0.0295	20	87	101	VGEHVGVCIVGSCR					Mascot
1541.8291	1541.8385	0.0094	6	183	198	KCGILGLGGVGHMGVK			Oxidation (M)[13]		Mascot
1838.9032	1838.9253	0.0221	12	17	32	DSSGHLSPYTYTLRNK					Mascot
2150.0864	2150.0723	-0.0141	-7	218	237	EEALEVLGADAYLVSKDA EK					Mascot
2542.2727	2542.2781	0.0054	2	174	198	HFGMTEPGKKCGILGLG GVGHMGVK			Oxidation (M)[4,22]		Mascot
2550.1375	2550.2217	0.0842	33	294	316	SIAGSFIGSMEETQETLD FCAEK			Carbamidomethyl (C)[20]		Mascot
2566.1323	2566.249	0.1167	45	294	316	SIAGSFIGSMEETQETLD FCAEK			Carbamidomethyl (C)[20], Oxidation (M)[10]		Mascot
2611.3833	2611.2825	-0.1008	-39	317	339	KVSSMIEVVGLDYINTAM ERLVK			Oxidation (M)[5]		Mascot
2670.3882	2670.3184	-0.0698	-26	149	173	IPENLPLEQAAPLLCAGV TVYSPMK			Oxidation (M)[24]		Mascot
2694.2273	2694.2639	0.0366	14	294	317	SIAGSFIGSMEETQETLD FCAEKK			Carbamidomethyl (C)[20], Oxidation (M)[10]		Mascot

2	cinnamyl-alcohol dehydrogenase [<i>Picea abies</i>]	gi 56605370	38840.4	5.8	10	68
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
749.3676	749.3716	0.004	5	2	8	GSLESEK					Mascot
1471.7145	1471.744	0.0295	20	87	101	VGEHVGVCIVGSCR	17	0			Mascot
1471.7145	1471.744	0.0295	20	87	101	VGEHVGVCIVGSCR					Mascot
1541.8291	1541.8385	0.0094	6	183	198	KCGILGLGGVGHMGVK			Oxidation (M)[13]		Mascot
1838.9032	1838.9253	0.0221	12	17	32	DSSGHLSPYTYTLRNK					Mascot
2150.0864	2150.0723	-0.0141	-7	218	237	EEALEVLGADAYLVSKDAEK					Mascot
2542.2727	2542.2781	0.0054	2	174	198	HFGMTEPGKKCGILGLGVGHMGVK			Oxidation (M)[4,22]		Mascot

2550.1375	2550.2217	0.0842	33	294	316	SIAGSFIGSMEETQETLD FCAEK	Carbamidomethyl (C)[20]	Mascot
2566.1323	2566.249	0.1167	45	294	316	SIAGSFIGSMEETQETLD FCAEK	Carbamidomethyl (C)[20], Oxidation (M)[10]	Mascot
2611.3833	2611.2825	-0.1008	-39	317	339	KVSSMIEVVGLDYINTAM ERLVK	Oxidation (M)[5]	Mascot
2670.3882	2670.3184	-0.0698	-26	149	173	IPENLPLEQAAPLLCAGV TVYSPMK	Oxidation (M)[24]	Mascot
2694.2273	2694.2639	0.0366	14	294	317	SIAGSFIGSMEETQETLD FCAEKK	Carbamidomethyl (C)[20], Oxidation (M)[10]	Mascot

Gel Idx/Pos	67/E11		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 28	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species	Score
1	Cinnamyl alcohol dehydrogenase 2 OS=Picea abies GN=CAD2 PE=3 SV=1	CADH2_PICAB	38808.4	5.8	10	66	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
749.3676	749.3716	0.004	5	2	8 GSLESEK					Mascot
1471.7145	1471.744	0.0295	20	87	101 VGEHVGVCIVGSCR	17	0			Mascot
1471.7145	1471.744	0.0295	20	87	101 VGEHVGVCIVGSCR					Mascot
1541.8291	1541.8385	0.0094	6	183	198 KCGILGLGGVGHMGVK			Oxidation (M)[13]		Mascot
1838.9032	1838.9253	0.0221	12	17	32 DSSGHLSPYTYTLRNK					Mascot
2150.0864	2150.0723	-0.0141	-7	218	237 EEALEVLGADAYLVSKDAEK					Mascot
2542.2727	2542.2781	0.0054	2	174	198 HFGMTEPGKKCGILGLG GVGHMGVK			Oxidation (M)[4,22]		Mascot
2550.1375	2550.2217	0.0842	33	294	316 SIAGSFIGSMEETQETLDFCAEK			Carbamidomethyl (C)[20]		Mascot
2566.1323	2566.249	0.1167	45	294	316 SIAGSFIGSMEETQETLDFCAEK			Carbamidomethyl (C)[20], Oxidation (M)[10]		Mascot
2611.3833	2611.2825	-0.1008	-39	317	339 KVSSMIEVVGLDYINTAMERLVK			Oxidation (M)[5]		Mascot
2670.3882	2670.3184	-0.0698	-26	149	173 IPENLPLEQAAPLLCAGVTVYSPMK			Oxidation (M)[24]		Mascot
2694.2273	2694.2639	0.0366	14	294	317 SIAGSFIGSMEETQETLDFCAEKK			Carbamidomethyl (C)[20], Oxidation (M)[10]		Mascot

Gel Idx/Pos	68/E12		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT29	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	pHl p5a allergen precursor [Phleum pratense]	gi 29500897	28268.7	7.94	6	106	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1058.6245	1058.6005	-0.024	-23	209	218	FIPALEAAVK					Mascot
1199.6671	1199.6481	-0.019	-16	233	242	YTVFETALKK					Mascot
1471.7428	1471.736	-0.0068	-5	121	133	YDAYVATLSEALR	30	0			Mascot
1471.7428	1471.736	-0.0068	-5	121	133	YDAYVATLSEALR					Mascot
1541.8435	1541.8317	-0.0118	-8	48	63	AALAAAAGVPPADKYR	48	97.6			Mascot
1541.8435	1541.8317	-0.0118	-8	48	63	AALAAAAGVPPADKYR					Mascot
1927.09	1927.0685	-0.0215	-11	153	170	VIPAGELQVIEKVDAAFK					Mascot
1975.1223	1975.1003	-0.022	-11	134	152	IIAGTLEVHAVKPAAEVK					Mascot

Gel Idx/Pos	68/E12		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 29	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Species
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1	Pollen allergen Phl p 5a (Fragment) OS=Phleum pratense PE=1 SV=2	MPA5A_PHLPR	28512.8	6.06	5	51
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1058.6245	1058.6005	-0.024	-23	211	220 FIPALEAAVK					Mascot
1199.6671	1199.6481	-0.019	-16	235	244 YTVFETALKK					Mascot
1471.7428	1471.736	-0.0068	-5	123	135 YDAYVATLSEALR	30	86.339			Mascot
1471.7428	1471.736	-0.0068	-5	123	135 YDAYVATLSEALR					Mascot
1927.09	1927.0685	-0.0215	-11	155	172 VIPAGELQVIEKVDAAFK					Mascot
1975.1223	1975.1003	-0.022	-11	136	154 IIAGTLEVHAVKPAAEVVK					Mascot

2	Pollen allergen KBG 31 OS=Poa pratensis PE=1 SV=1	MPA91_POAPR	37798.1	9.45	4	43
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
723.3858	723.3683	-0.0175	-24	84	90 FMAGAVK					Mascot
739.3807	739.4009	0.0202	27	84	90 FMAGAVK			Oxidation (M)[2]		Mascot
1058.6245	1058.6005	-0.024	-23	298	307 FIPALEAAVK					Mascot
1199.6671	1199.6481	-0.019	-16	322	331 YTVFETALKK					Mascot
1471.7428	1471.736	-0.0068	-5	210	222 YDAYVATLSEALR	30	86.339			Mascot
1471.7428	1471.736	-0.0068	-5	210	222 YDAYVATLSEALR					Mascot

Gel Idx/Pos	69/F1		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 30	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Species
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1	pollen allergen Phl p1 [Phleum pratense]	gi 3901094	28185.2	7.53	6	77
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
859.4672	859.4509	-0.0163	-19	170	176 VTFHVEK					Mascot
1004.4948	1004.488	-0.0068	-7	214	221 ESWGAIWR	25	0			Mascot
1004.4948	1004.488	-0.0068	-7	214	221 ESWGAIWR					Mascot
1058.6357	1058.5902	-0.0455	-43	205	213 GKDKWIALK					Mascot
1135.5742	1135.5667	-0.0075	-7	149	158 SAGEVEIQFR	33	27.538			Mascot
1135.5742	1135.5667	-0.0075	-7	149	158 SAGEVEIQFR					Mascot
1288.726	1288.709	-0.017	-13	177	188 GSNPNYLALLVK					Mascot
1571.8793	1571.8734	-0.0059	-4	222	235 IDTPEVLKGPFTVR					Mascot

2	allergen Phl p I	gil1582250	28143.2	8.35	6	76
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
859.4672	859.4509	-0.0163	-19	170	176 VTFHVEK					Mascot
1004.4948	1004.488	-0.0068	-7	213	220 ESWGAIWR	25	0			Mascot
1004.4948	1004.488	-0.0068	-7	213	220 ESWGAIWR					Mascot
1058.6357	1058.5902	-0.0455	-43	204	212 GKDKWIALK					Mascot
1135.5742	1135.5667	-0.0075	-7	149	158 SAGEVEIQFR	33	27.538			Mascot
1135.5742	1135.5667	-0.0075	-7	149	158 SAGEVEIQFR					Mascot
1288.726	1288.709	-0.017	-13	177	188 GSNPNYLALLVK					Mascot
1571.8793	1571.8734	-0.0059	-4	221	234 IDTPEVLKGPFTVR					Mascot

Gel Idx/Pos	71/F3		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 32	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	pollen allergen Phl pl [Phleum pratense]	gi 3901094	28185.2	7.53	5	66	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
859.4672	859.4643	-0.0029	-3	170	176	VTFHVEK					Mascot
1004.4948	1004.501	0.0062	6	214	221	ESWGAIWR	23	0			Mascot
1004.4948	1004.501	0.0062	6	214	221	ESWGAIWR					Mascot
1135.5742	1135.5803	0.0061	5	149	158	SAGEVEIQFR	17	0			Mascot
1135.5742	1135.5803	0.0061	5	149	158	SAGEVEIQFR					Mascot
1288.726	1288.7115	-0.0145	-11	177	188	GSNPNYLALLVK					Mascot
1571.8793	1571.8767	-0.0026	-2	222	235	IDTPEVLKGPFTVR	12	0			Mascot
1571.8793	1571.8767	-0.0026	-2	222	235	IDTPEVLKGPFTVR					Mascot

2	allergen Phl p I	gi 1582250	28143.2	8.35	5	65	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
859.4672	859.4643	-0.0029	-3	170	176	VTFHVEK					Mascot
1004.4948	1004.501	0.0062	6	213	220	ESWGAIWR	23	0			Mascot
1004.4948	1004.501	0.0062	6	213	220	ESWGAIWR					Mascot
1135.5742	1135.5803	0.0061	5	149	158	SAGEVEIQFR	17	0			Mascot
1135.5742	1135.5803	0.0061	5	149	158	SAGEVEIQFR					Mascot
1288.726	1288.7115	-0.0145	-11	177	188	GSNPNYLALLVK					Mascot
1571.8793	1571.8767	-0.0026	-2	221	234	IDTPEVLKGPFTVR	12	0			Mascot
1571.8793	1571.8767	-0.0026	-2	221	234	IDTPEVLKGPFTVR					Mascot

Gel Idx/Pos	77/F9		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 34	Instrument Sample Name		Spectra	13

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	RecName: Full=Triosephosphate isomerase, cytosolic; Short=TIM; Short=Triose-phosphate isomerase	gi 2507469	26719.9	5.39	5	195

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1033.6041	1033.5894	-0.0147	-14	114	123 VAYALAQGLK					Mascot
1374.7046	1374.691	-0.0136	-10	124	135 VIACVGETLEQR			Carbamidomethyl (C)[4]		Mascot
1374.7046	1374.691	-0.0136	-10	124	135 VIACVGETLEQR	85	99.999	Carbamidomethyl (C)[4]		Mascot
1604.8503	1604.832	-0.0183	-11	176	190 VATPAQAQEVHANLR					Mascot
1604.8503	1604.832	-0.0183	-11	176	190 VATPAQAQEVHANLR	67	99.911			Mascot
1811.9585	1811.941	-0.0175	-10	56	70 LRPEIQVAAQNCWVK			Carbamidomethyl (C)[12]		Mascot
1811.9585	1811.941	-0.0175	-10	56	70 LRPEIQVAAQNCWVK	11	0	Carbamidomethyl (C)[12]		Mascot
2147.1357	2147.1213	-0.0144	-7	176	194 VATPAQAQEVHANLRDW LK					Mascot
2147.1357	2147.1213	-0.0144	-7	176	194 VATPAQAQEVHANLRDW LK					Mascot

Gel Idx/Pos	24/B9		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 34	Instrument Sample Name		Spectra	13

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score
1	Triosephosphate isomerase, cytosolic OS=Hordeum vulgare PE=1 SV=3	TPIS_HORVU	26719.9	5.39	7	364

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
954.4832	954.4805	-0.0027	-3	5	12 FFVGGNWK	55	99.636			Mascot
954.4832	954.4805	-0.0027	-3	5	12 FFVGGNWK					Mascot
1033.6041	1033.5896	-0.0145	-14	114	123 VAYALAQGLK	32	17.343			Mascot
1033.6041	1033.5896	-0.0145	-14	114	123 VAYALAQGLK					Mascot
1082.5782	1082.5696	-0.0086	-8	4	12 KFFVGGNWK	21	0			Mascot
1082.5782	1082.5696	-0.0086	-8	4	12 KFFVGGNWK					Mascot
1374.7046	1374.6738	-0.0308	-22	124	135 VIACVGETLEQR	67	99.977	Carbamidomethyl (C)[4]		Mascot
1374.7046	1374.6738	-0.0308	-22	124	135 VIACVGETLEQR			Carbamidomethyl (C)[4]		Mascot
1604.8503	1604.8136	-0.0367	-23	176	190 VATPAQAQEVHANLR	89	100			Mascot
1604.8503	1604.8136	-0.0367	-23	176	190 VATPAQAQEVHANLR					Mascot
1811.9585	1811.9235	-0.035	-19	56	70 LRPEIQVAAQNCWVK	37	77.701	Carbamidomethyl (C)[12]		Mascot
1811.9585	1811.9235	-0.035	-19	56	70 LRPEIQVAAQNCWVK			Carbamidomethyl (C)[12]		Mascot
2147.1357	2147.123	-0.0127	-6	176	194 VATPAQAQEVHANLRDW LK					Mascot
2147.1357	2147.123	-0.0127	-6	176	194 VATPAQAQEVHANLRDW LK					Mascot

Gel Idx/Pos	77/F9		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 34	Instrument Sample Name		Spectra	13

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	Triosephosphate isomerase, cytosolic OS=Hordeum vulgare PE=1 SV=3	TPIS_HORVU	26719.9	5.39	5	195

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1033.6041	1033.5894	-0.0147	-14	114	123 VAYALAQGLK					Mascot
1374.7046	1374.691	-0.0136	-10	124	135 VIACVGETLEQR			Carbamidomethyl (C)[4]		Mascot
1374.7046	1374.691	-0.0136	-10	124	135 VIACVGETLEQR	85	100	Carbamidomethyl (C)[4]		Mascot
1604.8503	1604.832	-0.0183	-11	176	190 VATPAQAQEVHANLR					Mascot
1604.8503	1604.832	-0.0183	-11	176	190 VATPAQAQEVHANLR	67	99.997			Mascot
1811.9585	1811.941	-0.0175	-10	56	70 LRPEIQVAAQNCWVK			Carbamidomethyl (C)[12]		Mascot
1811.9585	1811.941	-0.0175	-10	56	70 LRPEIQVAAQNCWVK	11	0	Carbamidomethyl (C)[12]		Mascot
2147.1357	2147.1213	-0.0144	-7	176	194 VATPAQAQEVHANLRDW LK					Mascot
2147.1357	2147.1213	-0.0144	-7	176	194 VATPAQAQEVHANLRDW LK					Mascot

Gel Idx/Pos	73/F5	SPOT 35	Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621		Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Species
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1	pollen allergen Phl p1 [Phleum pratense]	gi 3901094	28185.2	7.53	12	312
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
859.4672	859.4446	-0.0226	-26	170	176	VTFHVEK					Mascot
943.4883	943.4697	-0.0186	-20	248	255	DVIPEGWK					Mascot
1004.4948	1004.4885	-0.0063	-6	214	221	ESWGAIWR	60	99.841			Mascot
1004.4948	1004.4885	-0.0063	-6	214	221	ESWGAIWR					Mascot
1058.6357	1058.6123	-0.0234	-22	205	213	GKDKWIALK					Mascot
1135.5742	1135.5693	-0.0049	-4	149	158	SAGEVEIQFR	74	99.993			Mascot
1135.5742	1135.5693	-0.0049	-4	149	158	SAGEVEIQFR					Mascot
1288.726	1288.7068	-0.0192	-15	177	188	GSNPNYLALLVK	48	96.969			Mascot
1288.726	1288.7068	-0.0192	-15	177	188	GSNPNYLALLVK					Mascot
1363.7006	1363.6869	-0.0137	-10	46	58	STWYGKPTAAGPK					Mascot
1404.7369	1404.731	-0.0059	-4	189	202	FVAGDGDVVAVDIK					Mascot
1571.8793	1571.8789	-0.0004	0	222	235	IDTPEVLKGPFTVR	65	99.94			Mascot
1571.8793	1571.8789	-0.0004	0	222	235	IDTPEVLKGPFTVR					Mascot
1615.8744	1615.8727	-0.0017	-1	209	221	WIALKESWGAIWR					Mascot
1661.8745	1661.8569	-0.0176	-11	189	204	FVAGDGDVVAVDIKEK					Mascot
2129.1753	2129.1677	-0.0076	-4	170	188	VTFHVEKGSNPNYLALLV K					Mascot

2	allergen Phl p I	gil1582250	28143.2	8.35	11	301
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
859.4672	859.4446	-0.0226	-26	170	176	VTFHVEK					Mascot
943.4883	943.4697	-0.0186	-20	247	254	DVIPEGWK					Mascot
1004.4948	1004.4885	-0.0063	-6	213	220	ESWGAIWR	60	99.841			Mascot
1004.4948	1004.4885	-0.0063	-6	213	220	ESWGAIWR					Mascot
1058.6357	1058.6123	-0.0234	-22	204	212	GKDKWIALK					Mascot

1135.5742	1135.5693	-0.0049	-4	149	158	SAGEVEIQFR	74	99.992	Mascot
1135.5742	1135.5693	-0.0049	-4	149	158	SAGEVEIQFR			Mascot
1288.726	1288.7068	-0.0192	-15	177	188	GSPNYLALLVK	48	96.433	Mascot
1288.726	1288.7068	-0.0192	-15	177	188	GSPNYLALLVK			Mascot
1363.7006	1363.6869	-0.0137	-10	46	58	STWYGKPTAAGPK			Mascot
1404.7594	1404.731	-0.0284	-20	147	158	LRSAGEVEIQFR			Mascot
1571.8793	1571.8789	-0.0004	0	221	234	IDTPEVLKGPFTVR	65	99.929	Mascot
1571.8793	1571.8789	-0.0004	0	221	234	IDTPEVLKGPFTVR			Mascot
1615.8744	1615.8727	-0.0017	-1	208	220	WIALKESWGAIWR			Mascot
2129.1753	2129.1677	-0.0076	-4	170	188	VTFHVEKGSNPYLALLV K			Mascot

Gel Idx/Pos	73/F5		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 35	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score
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1	Major pollen allergen Pha a 1 OS=Phalaris aquatica PE=1 SV=1	MPAP1_PHAAQ	28992.2	5.5	6	137
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
943.4012	943.4697	0.0685	73	97	105 GCGSCFELK					Mascot
960.4745	960.5027	0.0282	29	147	154 KGEENVR					Mascot
1004.4948	1004.4885	-0.0063	-6	220	227 ESWGAIWR	60	99.985			Mascot
1004.4948	1004.4885	-0.0063	-6	220	227 ESWGAIWR					Mascot
1288.726	1288.7068	-0.0192	-15	183	194 GSNPNYLALLVK	48	99.713			Mascot
1288.726	1288.7068	-0.0192	-15	183	194 GSNPNYLALLVK					Mascot
2169.0105	2169.0217	0.0112	5	74	93 DVDKAPFNGMTGCGNTPIFK			Carbamidomethyl (C)[13]		Mascot
3153.6721	3153.4536	-0.2185	-69	2	32 MKMVCSSSSSLLLVAA LLAVFVGSAQGIK			Acetyl (Protein N-term)[0], Carbamidomethyl (C)[5]		Mascot
3153.6721	3153.4536	-0.2185	-69	2	32 MKMVCSSSSSLLLVAA LLAVFVGSAQGIK			Acetyl (Protein N-term)[0], Carbamidomethyl (C)[5]		Mascot

2	Pollen allergen Phl p 1 OS=Phleum pratense GN=PHLPI PE=1 SV=1	MPAP1_PHLPR	28439.2	6.14	5	126
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
859.4672	859.4446	-0.0226	-26	170	176 VTFHVEK					Mascot
943.4012	943.4697	0.0685	73	91	99 GCGSCFEIK					Mascot
1004.4948	1004.4885	-0.0063	-6	214	221 ESWGAIWR	60	99.985			Mascot
1004.4948	1004.4885	-0.0063	-6	214	221 ESWGAIWR					Mascot
1288.726	1288.7068	-0.0192	-15	177	188 GSNPNYLALLVK	48	99.713			Mascot
1288.726	1288.7068	-0.0192	-15	177	188 GSNPNYLALLVK					Mascot
2129.1753	2129.1677	-0.0076	-4	170	188 VTFHVEKGSNPNYLALLVK					Mascot

Gel Idx/Pos	74/F6		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 36	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	phl p5a allergen precursor [Phleum pratense]	gi 29500897	28268.7	7.94	3	72	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1471.7428	1471.7385	-0.0043	-3	121	133	YDAYVATLSEALR	19	0			Mascot
1471.7428	1471.7385	-0.0043	-3	121	133	YDAYVATLSEALR					Mascot
1541.8435	1541.8344	-0.0091	-6	48	63	AALAAAAGVPPADKYR	43	90.177			Mascot
1541.8435	1541.8344	-0.0091	-6	48	63	AALAAAAGVPPADKYR					Mascot
2427.2039	2427.2009	-0.003	-1	111	133	TAEGATPEAKYDAYVATLSEALR					Mascot

Gel Idx/Pos	74/F6		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 36	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	Cinnamyl alcohol dehydrogenase 2 OS=Picea abies GN=CAD2 PE=3 SV=1	CADH2_PICAB	38808.4	5.8	9	61

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
749.3676	749.3723	0.0047	6	2	8 GSLESEK					Mascot
1362.7377	1362.6617	-0.076	-56	346	357 FVVDVARSNLDK					Mascot
1362.7377	1362.6617	-0.076	-56	346	357 FVVDVARSNLDK					Mascot
1471.7145	1471.7385	0.024	16	87	101 VGEHVGVCIVGSCR	16	0			Mascot
1471.7145	1471.7385	0.024	16	87	101 VGEHVGVCIVGSCR					Mascot
1541.8291	1541.8344	0.0053	3	183	198 KCGILGLGGVGHMGVK			Oxidation (M)[13]		Mascot
1541.8291	1541.8344	0.0053	3	183	198 KCGILGLGGVGHMGVK			Oxidation (M)[13]		Mascot
1699.832	1699.8208	-0.0112	-7	1	16 MGSLESEKTVGYAAR					Mascot
1838.9032	1838.9163	0.0131	7	17	32 DSSGHLSPYTYTLRHK					Mascot
2150.0864	2150.0774	-0.009	-4	218	237 EEALEVLGADAYLVSKDAEK					Mascot
2550.1375	2550.2351	0.0976	38	294	316 SIAGSFIGSMEETQETLDFCAEK			Carbamidomethyl (C)[20]		Mascot
2566.1323	2566.2656	0.1333	52	294	316 SIAGSFIGSMEETQETLDFCAEK			Carbamidomethyl (C)[20], Oxidation (M)[10]		Mascot
2637.2058	2637.2673	0.0615	23	294	317 SIAGSFIGSMEETQETLDFCAEKK			Oxidation (M)[10]		Mascot
2694.2273	2694.2913	0.064	24	294	317 SIAGSFIGSMEETQETLDFCAEKK			Carbamidomethyl (C)[20], Oxidation (M)[10]		Mascot

Gel Idx/Pos	75/F7		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 37	Instrument Sample Name		Spectra	4

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	phl p5a allergen precursor [Phleum pratense]	gi 29500897	28268.7	7.94	4	76	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1449.7584	1449.7544	-0.004	-3	107	120 LAYKTAEGATPEAK					Mascot
1471.7428	1471.7755	0.0327	22	121	133 YDAYVATLSEALR	24	0			Mascot
1471.7581	1471.7755	0.0174	12	185	197 FTVFEAAFNNAIK					Mascot
1541.8435	1541.8772	0.0337	22	48	63 AALAAAAGVPPADKYR	8	0			Mascot
1541.8435	1541.8772	0.0337	22	48	63 AALAAAAGVPPADKYR					Mascot

Gel Idx/Pos	75/F7		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 37	Instrument Sample Name		Spectra	4

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species	Score
1	Pollen allergen Phl p 5a (Fragment) OS=Phleum pratense PE=1 SV=2	MPA5A_PHLPR	28512.8	6.06	2	41	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1449.7584	1449.7544	-0.004	-3	109	122 LAYKTAEGATPEAK					Mascot
1471.7428	1471.7755	0.0327	22	123	135 YDAYVATLSEALR	24	0			Mascot
1471.7428	1471.7755	0.0327	22	123	135 YDAYVATLSEALR					Mascot

Gel Idx/Pos	26/B11		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 40	Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	RecName: Full=Pollen allergen Phl p 11; AltName: Allergen=Phl p 11	gi 47606039	15768.7	4.96	8	279

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
969.3917	969.3901	-0.0016	-2	12	18 VYCDPCR	19	0	Carbamidomethyl (C)[3,6]		Mascot
969.3917	969.3901	-0.0016	-2	12	18 VYCDPCR			Carbamidomethyl (C)[3,6]		Mascot
1098.5731	1098.5734	0.0003	0	112	120 YANPIAFFR	58	98.167			Mascot
1098.5731	1098.5734	0.0003	0	112	120 YANPIAFFR					Mascot
1132.611	1132.6115	0.0005	0	1	11 DKGPGFVVTGR	64	99.565			Mascot
1132.611	1132.6115	0.0005	0	1	11 DKGPGFVVTGR					Mascot
1269.7274	1269.729	0.0016	1	95	106 ARVPLTSNNGIK					Mascot
1269.7274	1269.729	0.0016	1	95	106 ARVPLTSNNGIK					Mascot
1552.8007	1552.7941	-0.0066	-4	48	61 LKAEATTDGLGWYK					Mascot
1552.8007	1552.7941	-0.0066	-4	48	61 LKAEATTDGLGWYK					Mascot
1570.6691	1570.6887	0.0196	12	80	92 SPDTCSEIEEFR	49	84.541	Carbamidomethyl (C)[6]		Mascot
1570.6691	1570.6887	0.0196	12	80	92 SPDTCSEIEEFR			Carbamidomethyl (C)[6]		Mascot
1808.9918	1808.9017	-0.0901	-50	107	121 QQGIRYANPIAFFRK					Mascot
1808.9918	1808.9017	-0.0901	-50	107	121 QQGIRYANPIAFFRK					Mascot
1841.7971	1841.806	0.0089	5	80	94 SPDTCSEIEEFRDR	2	0	Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.806	0.0089	5	80	94 SPDTCSEIEEFRDR			Carbamidomethyl (C)[6]		Mascot

Gel Idx/Pos	79/F11		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 40	Instrument Sample Name		Spectra	9

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species	Score
1	Pollen allergen Phl p 11 OS=Phleum pratense PE=1 SV=1	PHLB_PHLPR	15768.7	4.96	6	339	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
969.3917	969.3912	-0.0005	-1	12	18 VYCDPCR			Carbamidomethyl (C)[3,6]		Mascot
969.3917	969.3912	-0.0005	-1	12	18 VYCDPCR	12	0	Carbamidomethyl (C)[3,6]		Mascot
1098.5731	1098.5721	-0.001	-1	112	120 YANPIAFFR					Mascot
1098.5731	1098.5721	-0.001	-1	112	120 YANPIAFFR	78	100			Mascot
1132.611	1132.6005	-0.0105	-9	1	11 DKGPGFVVTGR					Mascot
1132.611	1132.6005	-0.0105	-9	1	11 DKGPGFVVTGR	71	99.997			Mascot
1269.7274	1269.7188	-0.0086	-7	95	106 ARVPLTSNNGIK					Mascot
1269.7274	1269.7188	-0.0086	-7	95	106 ARVPLTSNNGIK	13	0			Mascot
1570.6691	1570.6656	-0.0035	-2	80	92 SPDTTCSEIEEFR			Carbamidomethyl (C)[6]		Mascot
1570.6691	1570.6656	-0.0035	-2	80	92 SPDTTCSEIEEFR	53	99.818	Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.7119	-0.0852	-46	80	94 SPDTTCSEIEEFRDR	26	4.163	Carbamidomethyl (C)[6]		Mascot

Gel Idx/Pos	27/B12		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 41	Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	RecName: Full=Pollen allergen Phl p 11; AltName: Allergen=Phl p 11	gi 47606039	15768.7	4.96	8	339

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
969.3917	969.3868	-0.0049	-5	12	18 VYCDPCR	15	0	Carbamidomethyl (C)[3,6]		Mascot
969.3917	969.3868	-0.0049	-5	12	18 VYCDPCR			Carbamidomethyl (C)[3,6]		Mascot
1098.5731	1098.5696	-0.0035	-3	112	120 YANPIAFFR	78	99.982			Mascot
1098.5731	1098.5696	-0.0035	-3	112	120 YANPIAFFR					Mascot
1132.611	1132.5999	-0.0111	-10	1	11 DKGPGFVVTGR	72	99.936			Mascot
1132.611	1132.5999	-0.0111	-10	1	11 DKGPGFVVTGR					Mascot
1226.6681	1226.6608	-0.0073	-6	112	121 YANPIAFFRK					Mascot
1269.7274	1269.7157	-0.0117	-9	95	106 ARVPLTSNNGIK	15	0			Mascot
1269.7274	1269.7157	-0.0117	-9	95	106 ARVPLTSNNGIK					Mascot
1570.6691	1570.6689	-0.0002	0	80	92 SPDTTCSEIEEFR	44	52.347	Carbamidomethyl (C)[6]		Mascot
1570.6691	1570.6689	-0.0002	0	80	92 SPDTTCSEIEEFR			Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.7943	-0.0028	-2	80	94 SPDTTCSEIEEFRDR	22	0	Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.7943	-0.0028	-2	80	94 SPDTTCSEIEEFRDR			Carbamidomethyl (C)[6]		Mascot
2168.054	2168.0513	-0.0027	-1	62	79 IEIDQDHQEEICEVLAK	9	0	Carbamidomethyl (C)[12]		Mascot
2168.054	2168.0513	-0.0027	-1	62	79 IEIDQDHQEEICEVLAK			Carbamidomethyl (C)[12]		Mascot

Gel Idx/Pos	80/F12		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 41	Instrument Sample Name		Spectra	13

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Pollen allergen Phl p 11 OS=Phleum pratense PE=1 SV=1	PHLB_PHLPR	15768.7	4.96	8	455	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
889.489	889.4833	-0.0057	-6	3	11 GPGFVVTGR					Mascot
1098.5731	1098.5653	-0.0078	-7	112	120 YANPIAFFR					Mascot
1098.5731	1098.5653	-0.0078	-7	112	120 YANPIAFFR	76	100			Mascot
1132.611	1132.6002	-0.0108	-10	1	11 DKGPGFVVTGR					Mascot
1132.611	1132.6002	-0.0108	-10	1	11 DKGPGFVVTGR	88	100			Mascot
1226.6681	1226.6583	-0.0098	-8	112	121 YANPIAFFRK					Mascot
1269.7274	1269.709	-0.0184	-14	95	106 ARVPLTSNNGIK					Mascot
1269.7274	1269.709	-0.0184	-14	95	106 ARVPLTSNNGIK	33	85.948			Mascot
1570.6691	1570.655	-0.0141	-9	80	92 SPDTTCSEIEEFR			Carbamidomethyl (C)[6]		Mascot
1570.6691	1570.655	-0.0141	-9	80	92 SPDTTCSEIEEFR	70	99.997	Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.7861	-0.011	-6	80	94 SPDTTCSEIEEFRDR			Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.7861	-0.011	-6	80	94 SPDTTCSEIEEFRDR	63	99.984	Carbamidomethyl (C)[6]		Mascot
2168.054	2168.0525	-0.0015	-1	62	79 IEIDQDHQEEICEVVLAK			Carbamidomethyl (C)[12]		Mascot
2168.054	2168.0525	-0.0015	-1	62	79 IEIDQDHQEEICEVVLAK	44	98.724	Carbamidomethyl (C)[12]		Mascot

Gel Idx/Pos	61/E5		Instr./Gel Origin	ESTHER/T091217_0062_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 45	Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Pollen allergen Phl p 11 OS=Phleum pratense PE=1 SV=1	PHLB_PHLPR	15768.7	4.96	2	90	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
1098.5731	1098.5343	-0.0388	-35	112	120 YANPIAFFR	46	99.193		Mascot
1098.5731	1098.5343	-0.0388	-35	112	120 YANPIAFFR				Mascot
1132.611	1132.5795	-0.0315	-28	1	11 DKGPGFVVTGR	30	65.332		Mascot
1132.611	1132.5795	-0.0315	-28	1	11 DKGPGFVVTGR				Mascot

Gel Idx/Pos	31/C2		Instr./Gel Origin	ESTHER/T091222_0064_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091217_0062	SPOT 46	Instrument Sample Name		Spectra	16

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
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1	RecName: Full=Pollen allergen Phl p 11; AltName: Allergen=Phl p 11	gi 47606039	15768.7	4.96	8	251
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
969.3917	969.3955	0.0038	4	12	18 VYCDPCR	18	0	Carbamidomethyl (C)[3,6]		Mascot
969.3917	969.3955	0.0038	4	12	18 VYCDPCR			Carbamidomethyl (C)[3,6]		Mascot
1098.5731	1098.5787	0.0056	5	112	120 YANPIAFFR	61	99.05			Mascot
1098.5731	1098.5787	0.0056	5	112	120 YANPIAFFR					Mascot
1132.611	1132.6117	0.0007	1	1	11 DKGPGFVVTGR	26	0			Mascot
1132.611	1132.6117	0.0007	1	1	11 DKGPGFVVTGR					Mascot
1269.7274	1269.7317	0.0043	3	95	106 ARVPLTSNNGIK					Mascot
1269.7274	1269.7317	0.0043	3	95	106 ARVPLTSNNGIK					Mascot
1552.8007	1552.8022	0.0015	1	48	61 LKAEATTDGLGWYK					Mascot
1552.8007	1552.8022	0.0015	1	48	61 LKAEATTDGLGWYK					Mascot
1570.6691	1570.6757	0.0066	4	80	92 SPDTTCSEIEEFR	48	81.426	Carbamidomethyl (C)[6]		Mascot
1570.6691	1570.6757	0.0066	4	80	92 SPDTTCSEIEEFR			Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.8019	0.0048	3	80	94 SPDTTCSEIEEFRDR			Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.8019	0.0048	3	80	94 SPDTTCSEIEEFRDR			Carbamidomethyl (C)[6]		Mascot
2168.054	2168.0659	0.0119	5	62	79 IEIDQDHQEEICEVVLAK	3	0	Carbamidomethyl (C)[12]		Mascot
2168.054	2168.0659	0.0119	5	62	79 IEIDQDHQEEICEVVLAK			Carbamidomethyl (C)[12]		Mascot

Gel Idx/Pos	84/G2		Instr./Gel Origin	ESTHER/T091223_0065_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091222_0065	SPOT 46	Instrument Sample Name		Spectra	13

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
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1	Pollen allergen Phl p 11 OS=Phleum pratense PE=1 SV=1	PHLB_PHLPR	15768.7	4.96	7	295	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1098.5731	1098.5626	-0.0105	-10	112	120 YANPIAFFR					Mascot
1098.5731	1098.5626	-0.0105	-10	112	120 YANPIAFFR	76	100			Mascot
1132.611	1132.5944	-0.0166	-15	1	11 DKGPGFVVTGR					Mascot
1132.611	1132.5944	-0.0166	-15	1	11 DKGPGFVVTGR	66	99.993			Mascot
1269.7274	1269.7112	-0.0162	-13	95	106 ARVPLTSNNGIK					Mascot
1269.7274	1269.7112	-0.0162	-13	95	106 ARVPLTSNNGIK	9	0			Mascot
1552.8007	1552.7809	-0.0198	-13	48	61 LKAEATTDGLGWYK					Mascot
1570.6691	1570.6553	-0.0138	-9	80	92 SPDTTCSEIEEFR			Carbamidomethyl (C)[6]		Mascot
1570.6691	1570.6553	-0.0138	-9	80	92 SPDTTCSEIEEFR	48	99.568	Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.7878	-0.0093	-5	80	94 SPDTTCSEIEEFRDR			Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.7878	-0.0093	-5	80	94 SPDTTCSEIEEFRDR	36	93.642	Carbamidomethyl (C)[6]		Mascot
2168.054	2168.0559	0.0019	1	62	79 IEIDQDHQEEICEVVLAK			Carbamidomethyl (C)[12]		Mascot

3	Pollen allergen Phl p 5b (Fragment) OS=Phleum pratense PE=1 SV=2	MPA5B_PHLPR	27984.6	8.75	3	113	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1147.6357	1147.6188	-0.0169	-15	46	55 LIEDINVGFK					Mascot
1147.6357	1147.6188	-0.0169	-15	46	55 LIEDINVGFK	10	0			Mascot
1455.7479	1455.7329	-0.015	-10	115	127 FDSFVASLTEALR					Mascot
1455.7479	1455.7329	-0.015	-10	115	127 FDSFVASLTEALR	91	100			Mascot
1487.8217	1487.7981	-0.0236	-16	56	71 AAVAAAASVPAADKFK					Mascot

Gel Idx/Pos	78/F10	SPOT 47	Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621		Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Species
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1	group V allergen Phl p 5.0204 [Phleum pratense]	gi 3309043	26194.6	5.61	5	134
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1147.6357	1147.6115	-0.0242	-21	27	36 LIEDINVGFK					Mascot
1175.558	1175.5612	0.0032	3	53	63 TFEAFTSSSK					Mascot
1455.7479	1455.7435	-0.0044	-3	96	108 FDSFVASLTEALR	111	100			Mascot
1455.7479	1455.7435	-0.0044	-3	96	108 FDSFVASLTEALR					Mascot
1487.8217	1487.8	-0.0217	-15	37	52 AAVAAAASVPAADKFK					Mascot
1935.007	1934.996	-0.011	-6	20	36 ATTEEKLIEDINVGFK					Mascot

2	group V allergen Phl p 5.0207 precursor [Phleum pratense]	gi 3309047	28326.8	5.97	5	133
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Protein Group

Pollen allergen Phl p 5b precursor (Phl p Vb)

gi 2851457	27984.6	8.75
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1147.6357	1147.6115	-0.0242	-21	52	61	LIEDINVGFK					Mascot
1175.558	1175.5612	0.0032	3	78	88	TFEAAFTSSSK					Mascot
1455.7479	1455.7435	-0.0044	-3	121	133	FDSFVASLTEALR	111	100			Mascot
1455.7479	1455.7435	-0.0044	-3	121	133	FDSFVASLTEALR					Mascot
1487.8217	1487.8	-0.0217	-15	62	77	AAVAAAASVPAADKFK					Mascot
1935.007	1934.996	-0.011	-6	45	61	ATTEEQKLIEDINVGFK					Mascot

3	group V allergen Phl p 5.0203 precursor [Phleum pratense]	gi 3309041	29294.2	8.92	5	132
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Protein Group

group V allergen Phl p 5.0206 precursor [Phleum
pratense]

gi 3309045	28812	5.9600
		000381
		4697

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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		Seq.		Seq.		Score			
	1147.6357	1147.6115	-0.0242	-21	57	66	LIEDINVGFK		Mascot
	1175.558	1175.5612	0.0032	3	83	93	TFEAAFTSSSK		Mascot
	1455.7479	1455.7435	-0.0044	-3	126	138	FDSFVASLTEALR	111	100
	1455.7479	1455.7435	-0.0044	-3	126	138	FDSFVASLTEALR		Mascot
	1487.8217	1487.8	-0.0217	-15	67	82	AAVAAAASVPAADKFK		Mascot
	1935.007	1934.996	-0.011	-6	50	66	ATTEEKLIEDINVGFK		Mascot
4	Pollen allergen Phl p 11				gi 47606039	15768.7	4.96	6	127

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1098.5731	1098.5634	-0.0097	-9	112	120	YANPIAFFR	50	98.433			Mascot
1098.5731	1098.5634	-0.0097	-9	112	120	YANPIAFFR					Mascot
1132.611	1132.5985	-0.0125	-11	1	11	DKGPGFVVTGR	29	0			Mascot
1132.611	1132.5985	-0.0125	-11	1	11	DKGPGFVVTGR					Mascot
1226.6681	1226.655	-0.0131	-11	112	121	YANPIAFFRK					Mascot
1269.7274	1269.7155	-0.0119	-9	95	106	ARVPLTSNNGIK	7	0			Mascot
1269.7274	1269.7155	-0.0119	-9	95	106	ARVPLTSNNGIK					Mascot
1570.6691	1570.6755	0.0064	4	80	92	SPDTCSEIEEFR			Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.8129	0.0158	9	80	94	SPDTCSEIEEFRDR			Carbamidomethyl (C)[6]		Mascot

Gel Idx/Pos	78/F10		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 47	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score
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1	Pollen allergen Phl p 5b (Fragment) OS=Phleum pratense PE=1 SV=2	MPA5B_PHLPR	27984.6	8.75	6	139
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1147.6357	1147.6115	-0.0242	-21	46	55 LIEDINVGFK					Mascot
1163.6757	1163.5945	-0.0812	-70	1	11 AAAAVPRRGPR			Acetyl (Protein N-term)[0]		Mascot
1175.558	1175.5612	0.0032	3	72	82 TFEAAFTSSSK					Mascot
1455.7479	1455.7435	-0.0044	-3	115	127 FDSFVASLTEALR	111	100			Mascot
1455.7479	1455.7435	-0.0044	-3	115	127 FDSFVASLTEALR					Mascot
1487.8217	1487.8	-0.0217	-15	56	71 AAVAAAASVPAADKFK					Mascot
1935.007	1934.996	-0.011	-6	39	55 ATTEEQKLIEDINVGFK					Mascot

2	Pollen allergen Phl p 11 OS=Phleum pratense PE=1 SV=1	PHLB_PHLPR	15768.7	4.96	6	127
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1098.5731	1098.5634	-0.0097	-9	112	120 YANPIAFFR	50	99.855			Mascot
1098.5731	1098.5634	-0.0097	-9	112	120 YANPIAFFR					Mascot
1132.611	1132.5985	-0.0125	-11	1	11 DKGPGFVVTGR	29	81.963			Mascot
1132.611	1132.5985	-0.0125	-11	1	11 DKGPGFVVTGR					Mascot
1226.6681	1226.655	-0.0131	-11	112	121 YANPIAFFRK					Mascot
1269.7274	1269.7155	-0.0119	-9	95	106 ARVPLTSNNGIK	7	0			Mascot
1269.7274	1269.7155	-0.0119	-9	95	106 ARVPLTSNNGIK					Mascot
1570.6691	1570.6755	0.0064	4	80	92 SPDTTCSEIEEFR			Carbamidomethyl (C)[6]		Mascot
1841.7971	1841.8129	0.0158	9	80	94 SPDTTCSEIEEFRDR			Carbamidomethyl (C)[6]		Mascot

3	Major pollen allergen Lol p 11 OS=Lolium perenne PE=1 SV=1	LOLB_LOLPR	14859.2	5.1	4	106
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.	Score		
1098.5731	1098.5634	-0.0097	-9	112	120 YANPIAFFR	50	99.852	Mascot
1098.5731	1098.5634	-0.0097	-9	112	120 YANPIAFFR			Mascot
1132.611	1132.5985	-0.0125	-11	1	11 DKGPGFVVTGR	29	81.6	Mascot
1132.611	1132.5985	-0.0125	-11	1	11 DKGPGFVVTGR			Mascot
1226.6681	1226.655	-0.0131	-11	112	121 YANPIAFFRK			Mascot
1269.7274	1269.7155	-0.0119	-9	95	106 ARVPLTSNXGIK	7	0	Mascot

Gel Idx/Pos	79/F11		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 48	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species
1	major allergen Phl p 5 [Phleum pratense]	gi 1684718	27845.5	8.46	2	69

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1455.7479	1455.7419	-0.006	-4	112	124	FDSFVASLTEALR	62	99.896			Mascot
1455.7479	1455.7419	-0.006	-4	112	124	FDSFVASLTEALR					Mascot
3114.6318	3114.4817	-0.1501	-48	36	66	ATTEEQKLIEDINVGFKAA VAAAASVPAGDK					Mascot

2	Pollen allergen Phl p 5b precursor (Phl p Vb)	gi 2851457	27984.6	8.75	2	68
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1455.7479	1455.7419	-0.006	-4	115	127	FDSFVASLTEALR	62	99.896			Mascot
1455.7479	1455.7419	-0.006	-4	115	127	FDSFVASLTEALR					Mascot
1587.8013	1587.7234	-0.0779	-49	72	87	TFEAAFTSSSKAAAAK					Mascot

Gel Idx/Pos	79/F11		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 48	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Pollen allergen Phl p 5b (Fragment) OS=Phleum pratense PE=1 SV=2	MPA5B_PHLPR	27984.6	8.75	2	68	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1455.7479	1455.7419	-0.006	-4	115	127 FDSFVASLTEALR	62	99.99			Mascot
1455.7479	1455.7419	-0.006	-4	115	127 FDSFVASLTEALR					Mascot
1587.8013	1587.7234	-0.0779	-49	72	87 TFEAAFTSSSKAAAAK					Mascot

Gel Idx/Pos	80/F12	SPOT 50	Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621		Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Species
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1	Profilin-2/4 (Pollen allergen Phl p 12) (Phl p 11)	gi 3914432	14140.9	4.92	5	264
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
844.5251	844.4979	-0.0272	-32	88	96	GAGGITIKK					Mascot
1432.7617	1432.7682	0.0065	5	72	84	YMQVIGEPGAVIR	93	100			Mascot
1432.7617	1432.7682	0.0065	5	72	84	YMQVIGEPGAVIR					Mascot
1448.7567	1448.7468	-0.0099	-7	72	84	YMQVIGEPGAVIR	40	78.496	Oxidation (M)[2]		Mascot
1448.7567	1448.7468	-0.0099	-7	72	84	YMQVIGEPGAVIR			Oxidation (M)[2]		Mascot
1959.927	1959.923	-0.004	-2	53	71	DFDEPGHLAPTGMFVAGAK	54	99.095			Mascot
1959.927	1959.923	-0.004	-2	53	71	DFDEPGHLAPTGMFVAGAK					Mascot
1975.9219	1975.9207	-0.0012	-1	53	71	DFDEPGHLAPTGMFVAGAK			Oxidation (M)[13]		Mascot
2764.3103	2764.3071	-0.0032	-1	97	121	TGQALVVGIYDEPMTPGQCNMNVVER	47	95.424	Carbamidomethyl (C)[19]		Mascot
2764.3103	2764.3071	-0.0032	-1	97	121	TGQALVVGIYDEPMTPGQCNMNVVER			Carbamidomethyl (C)[19]		Mascot
2780.3052	2780.3	-0.0052	-2	97	121	TGQALVVGIYDEPMTPGQCNMNVVER			Carbamidomethyl (C)[19], Oxidation (M)[14]		Mascot
2796.3003	2796.3516	0.0513	18	97	121	TGQALVVGIYDEPMTPGQCNMNVVER			Carbamidomethyl (C)[19], Oxidation (M)[14,21]		Mascot
2892.4053	2892.3965	-0.0088	-3	96	121	KTGQALVVGIYDEPMTPGQCNMNVVER	30	0	Carbamidomethyl (C)[20]		Mascot
2892.4053	2892.3965	-0.0088	-3	96	121	KTGQALVVGIYDEPMTPGQCNMNVVER			Carbamidomethyl (C)[20]		Mascot
2908.4001	2908.3877	-0.0124	-4	96	121	KTGQALVVGIYDEPMTPGQCNMNVVER			Carbamidomethyl (C)[20], Oxidation (M)[15]		Mascot

Gel Idx/Pos	80/F12		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 50	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Profilin-2/4 OS=Phleum pratense GN=PRO2 PE=1 SV=1	PROF2_PHLPR	14140.9	4.92	5	262	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
844.5251	844.4979	-0.0272	-32	88	96 GAGGITIKK					Mascot
1432.7617	1432.7682	0.0065	5	72	84 YMVIQGEPGA VIR	93	100			Mascot
1432.7617	1432.7682	0.0065	5	72	84 YMVIQGEPGA VIR					Mascot
1448.7567	1448.7468	-0.0099	-7	72	84 YMVIQGEPGA VIR	40	98.179	Oxidation (M)[2]		Mascot
1448.7567	1448.7468	-0.0099	-7	72	84 YMVIQGEPGA VIR			Oxidation (M)[2]		Mascot
1959.927	1959.923	-0.004	-2	53	71 DFDEPGHLAPTGMFVAG AK	54	99.923			Mascot
1959.927	1959.923	-0.004	-2	53	71 DFDEPGHLAPTGMFVAG AK					Mascot
1975.9219	1975.9207	-0.0012	-1	53	71 DFDEPGHLAPTGMFVAG AK			Oxidation (M)[13]		Mascot
2764.3103	2764.3071	-0.0032	-1	97	121 TGQALVVG IYDEPMT PG QCNM VVER	47	99.612	Carbamidomethyl (C)[19]		Mascot
2764.3103	2764.3071	-0.0032	-1	97	121 TGQALVVG IYDEPMT PG QCNM VVER			Carbamidomethyl (C)[19]		Mascot
2780.3052	2780.3	-0.0052	-2	97	121 TGQALVVG IYDEPMT PG QCNM VVER			Carbamidomethyl (C)[19], Oxidation (M)[14]		Mascot
2796.3003	2796.3516	0.0513	18	97	121 TGQALVVG IYDEPMT PG QCNM VVER			Carbamidomethyl (C)[19], Oxidation (M)[14,21]		Mascot
2892.4053	2892.3965	-0.0088	-3	96	121 KTGQALVVG IYDEPMT PG QCNM VVER	30	84.026	Carbamidomethyl (C)[20]		Mascot
2892.4053	2892.3965	-0.0088	-3	96	121 KTGQALVVG IYDEPMT PG QCNM VVER			Carbamidomethyl (C)[20]		Mascot
2908.4001	2908.3877	-0.0124	-4	96	121 KTGQALVVG IYDEPMT PG QCNM VVER			Carbamidomethyl (C)[20], Oxidation (M)[15]		Mascot

Gel Idx/Pos	83/G1		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 51	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Pollen allergen Phl p 6 OS=Phleum pratense GN=PHLPVI PE=1 SV=1	MPAP6_PHLPR	13912.1	5.31	10	448	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1163.6056	1163.5995	-0.0061	-5	32	41 LIEDVNASFR	80	100			Mascot
1163.6056	1163.5995	-0.0061	-5	32	41 LIEDVNASFR					Mascot
1187.5944	1187.588	-0.0064	-5	58	68 TFEAAFTVSSK					Mascot
1343.6954	1343.6897	-0.0057	-4	58	69 TFEAAFTVSSKR	109	100			Mascot
1343.6954	1343.6897	-0.0057	-4	58	69 TFEAAFTVSSKR					Mascot
1550.8901	1550.8826	-0.0075	-5	70	84 NLADAVSKAPQLVPK					Mascot
1581.806	1581.8002	-0.0058	-4	105	117 YEAFVLHFSEALR	81	100			Mascot
1581.806	1581.8002	-0.0058	-4	105	117 YEAFVLHFSEALR					Mascot
1648.8363	1648.8052	-0.0311	-19	42	57 AAMATTANVPPADKYK	12	0			Mascot
1648.8363	1648.8052	-0.0311	-19	42	57 AAMATTANVPPADKYK					Mascot
1664.8313	1664.8287	-0.0026	-2	42	57 AAMATTANVPPADKYK			Oxidation (M)[3]		Mascot
1706.9912	1706.9852	-0.006	-4	69	84 RNLADAVSKAPQLVPK					Mascot
1950.9767	1950.9734	-0.0033	-2	25	41 ATTEEQKLIEDVNASFR	56	99.955			Mascot
1950.9767	1950.9734	-0.0033	-2	25	41 ATTEEQKLIEDVNASFR					Mascot
3136.627	3136.4827	-0.1443	-46	1	31 MVAMFLAVAVVLGLATSP TAEGGKATTEEQK			Oxidation (M)[1]		Mascot
3739.7664	3739.7534	-0.013	-3	85	117 LDEVYNAAYNAADHAAP EDKYEAFVLHFSEALR	11	0			Mascot
3739.7664	3739.7534	-0.013	-3	85	117 LDEVYNAAYNAADHAAP EDKYEAFVLHFSEALR					Mascot

Gel Idx/Pos	84/G2		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 52	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score
1	Chain A, Crystal Structure Of Phl P 6, A Major Timothy Grass Pollen Allergen Co-Crystallized With Zinc	gi 28374059	11914	5.55	11	452

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1163.6056	1163.6101	0.0045	4	11	20 LIEDVNASFR	81	99.998			Mascot
1163.6056	1163.6101	0.0045	4	11	20 LIEDVNASFR					Mascot
1187.5944	1187.5747	-0.0197	-17	37	47 TFEAAFTVSSK					Mascot
1343.6954	1343.6987	0.0033	2	37	48 TFEAAFTVSSKR	112	100			Mascot
1343.6954	1343.6987	0.0033	2	37	48 TFEAAFTVSSKR					Mascot
1550.8901	1550.876	-0.0141	-9	49	63 NLADAVSKAPQLVPK					Mascot
1581.806	1581.8025	-0.0035	-2	84	96 YEAFVLHFSEALR					Mascot
1648.8363	1648.777	-0.0593	-36	21	36 AAMATTANVPPADKYK					Mascot
1664.8313	1664.8142	-0.0171	-10	21	36 AAMATTANVPPADKYK			Oxidation (M)[3]		Mascot
1706.9912	1706.9832	-0.008	-5	48	63 RNLADAVSKAPQLVPK					Mascot
1950.9767	1950.9773	0.0006	0	4	20 ATTEEQKLIEDVNASFR	60	99.786			Mascot
1950.9767	1950.9773	0.0006	0	4	20 ATTEEQKLIEDVNASFR					Mascot
2136.0933	2136.1023	0.009	4	2	20 GKATTEEQKLIEDVNASFR	63	99.88			Mascot
2136.0933	2136.1023	0.009	4	2	20 GKATTEEQKLIEDVNASFR					Mascot
2176.9783	2176.9822	0.0039	2	64	83 LDEVYNAAYNAADHAAPEDK					Mascot
2178.1038	2178.0393	-0.0645	-30	2	20 GKATTEEQKLIEDVNASFR			Acetyl (Protein N-term)[0]		Mascot
3739.7664	3739.7507	-0.0157	-4	64	96 LDEVYNAAYNAADHAAPEDKYEAFVLHFSEALR	12	0			Mascot
3739.7664	3739.7507	-0.0157	-4	64	96 LDEVYNAAYNAADHAAPEDKYEAFVLHFSEALR					Mascot

2	Pollen allergen Phl p 6 precursor (Phl p VI)	gi 1171011	13912.1	5.31	10	365
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1163.6056	1163.6101	0.0045	4	32	41 LIEDVNASFR	81	99.998			Mascot

1163.6056	1163.6101	0.0045	4	32	41	LIEDVNASFR			Mascot
1187.5944	1187.5747	-0.0197	-17	58	68	TFEAAFTVSSK			Mascot
1343.6954	1343.6987	0.0033	2	58	69	TFEAAFTVSSKR	112	100	Mascot
1343.6954	1343.6987	0.0033	2	58	69	TFEAAFTVSSKR			Mascot
1550.8901	1550.876	-0.0141	-9	70	84	NLADAVSKAPQLVPK			Mascot
1581.806	1581.8025	-0.0035	-2	105	117	YEAFLVLFSEALR			Mascot
1648.8363	1648.777	-0.0593	-36	42	57	AAMATTANVPPADKYK			Mascot
1664.8313	1664.8142	-0.0171	-10	42	57	AAMATTANVPPADKYK		Oxidation (M)[3]	Mascot
1706.9912	1706.9832	-0.008	-5	69	84	RNLADAVSKAPQLVPK			Mascot
1950.9767	1950.9773	0.0006	0	25	41	ATTEEQKLIEDVNASFR	60	99.785	Mascot
1950.9767	1950.9773	0.0006	0	25	41	ATTEEQKLIEDVNASFR			Mascot
2176.9783	2176.9822	0.0039	2	85	104	LDEVYNAAYNAADHAAP EDK			Mascot
3739.7664	3739.7507	-0.0157	-4	85	117	LDEVYNAAYNAADHAAP EDKYEAFVLFSEALR	12	0	Mascot
3739.7664	3739.7507	-0.0157	-4	85	117	LDEVYNAAYNAADHAAP EDKYEAFVLFSEALR			Mascot

Gel Idx/Pos	84/G2		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 52	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Pollen allergen Phl p 6 OS=Phleum pratense GN=PHLPVI PE=1 SV=1	MPAP6_PHLPR	13912.1	5.31	11	376	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1163.6056	1163.6101	0.0045	4	32	41 LIEDVNASFR	81	100			Mascot
1163.6056	1163.6101	0.0045	4	32	41 LIEDVNASFR					Mascot
1187.5944	1187.5747	-0.0197	-17	58	68 TFEAAFTVSSK					Mascot
1343.6954	1343.6987	0.0033	2	58	69 TFEAAFTVSSKR	112	100			Mascot
1343.6954	1343.6987	0.0033	2	58	69 TFEAAFTVSSKR					Mascot
1550.8901	1550.876	-0.0141	-9	70	84 NLADAVSKAPQLVPK					Mascot
1581.806	1581.8025	-0.0035	-2	105	117 YEAFVLHFSEALR					Mascot
1648.8363	1648.777	-0.0593	-36	42	57 AAMATTANVPPADKYK					Mascot
1664.8313	1664.8142	-0.0171	-10	42	57 AAMATTANVPPADKYK			Oxidation (M)[3]		Mascot
1706.9912	1706.9832	-0.008	-5	69	84 RNLADAVSKAPQLVPK					Mascot
1950.9767	1950.9773	0.0006	0	25	41 ATTEEQKLIEDVNASFR	60	99.984			Mascot
1950.9767	1950.9773	0.0006	0	25	41 ATTEEQKLIEDVNASFR					Mascot
2176.9783	2176.9822	0.0039	2	85	104 LDEVYNAAYNAADHAAP EDK					Mascot
3136.627	3136.4583	-0.1687	-54	1	31 MVAMFLAVAVVLGLATSP TAEGGKATTEEQK			Oxidation (M)[1]		Mascot
3739.7664	3739.7507	-0.0157	-4	85	117 LDEVYNAAYNAADHAAP EDKYEAFVLHFSEALR	12	0			Mascot
3739.7664	3739.7507	-0.0157	-4	85	117 LDEVYNAAYNAADHAAP EDKYEAFVLHFSEALR					Mascot

Gel Idx/Pos	85/G3		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 53	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Phl p6 allergen [Phleum pratense]	gi 3004465	14592.5	5.68	6	172	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1177.6212	1177.62	-0.0012	-1	38	47 LIEDINASFR	53	98.844			Mascot
1177.6212	1177.62	-0.0012	-1	38	47 LIEDINASFR					Mascot
1343.6954	1343.6957	0.0003	0	64	75 TFEAAFTVSSKR	66	99.935			Mascot
1343.6954	1343.6957	0.0003	0	64	75 TFEAAFTVSSKR					Mascot
1550.8901	1550.8578	-0.0323	-21	76	90 NLADAVSKAPQLVPK					Mascot
1648.8363	1648.8258	-0.0105	-6	48	63 AAMATTANVPPADKYK					Mascot
1664.8313	1664.8192	-0.0121	-7	48	63 AAMATTANVPPADKYK			Oxidation (M)[3]		Mascot
1964.9923	1964.9789	-0.0134	-7	31	47 ATTEEQKLIEDINASFR	7	0			Mascot
1964.9923	1964.9789	-0.0134	-7	31	47 ATTEEQKLIEDINASFR					Mascot
2142.1189	2142.0549	-0.064	-30	64	83 TFEAAFTVSSKRNLADAVSK					Mascot

2	Chain A, Crystal Structure Of Phl P 6, A Major Timothy Grass Pollen Allergen Co-Crystallized With Zinc	gi 28374059	11914	5.55	8	170	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1163.6056	1163.603	-0.0026	-2	11	20 LIEDVNASFR	27	0			Mascot
1163.6056	1163.603	-0.0026	-2	11	20 LIEDVNASFR					Mascot
1343.6954	1343.6957	0.0003	0	37	48 TFEAAFTVSSKR	66	99.935			Mascot
1343.6954	1343.6957	0.0003	0	37	48 TFEAAFTVSSKR					Mascot
1550.8901	1550.8578	-0.0323	-21	49	63 NLADAVSKAPQLVPK					Mascot
1648.8363	1648.8258	-0.0105	-6	21	36 AAMATTANVPPADKYK					Mascot
1664.8313	1664.8192	-0.0121	-7	21	36 AAMATTANVPPADKYK			Oxidation (M)[3]		Mascot
1950.9767	1950.9758	-0.0009	0	4	20 ATTEEQKLIEDVNASFR					Mascot
2136.0933	2136.0999	0.0066	3	2	20 GKATTEEQKLIEDVNASFR					Mascot
2142.1189	2142.0549	-0.064	-30	37	56 TFEAAFTVSSKRNLADAV					Mascot

	3739.7664	3739.7373	-0.0291	-8	64	96	SK LDEVYNAAYNAADHAAP EDKYEAFVLHFSEALR					Mascot
3	Pollen allergen Phl p 6 precursor (Phl p VI)				gi 1171011	13912.1	5.31	7	152			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1163.6056	1163.603	-0.0026	-2	32	41	LIEDVNASFR	27	0			Mascot
1163.6056	1163.603	-0.0026	-2	32	41	LIEDVNASFR					Mascot
1343.6954	1343.6957	0.0003	0	58	69	TFEAAFTVSSKR	66	99.935			Mascot
1343.6954	1343.6957	0.0003	0	58	69	TFEAAFTVSSKR					Mascot
1550.8901	1550.8578	-0.0323	-21	70	84	NLADAVSKAPQLVPK					Mascot
1648.8363	1648.8258	-0.0105	-6	42	57	AAMATTANVPPADKYK					Mascot
1664.8313	1664.8192	-0.0121	-7	42	57	AAMATTANVPPADKYK			Oxidation (M)[3]		Mascot
1950.9767	1950.9758	-0.0009	0	25	41	ATTEEQKLIEDVNASFR					Mascot
2142.1189	2142.0549	-0.064	-30	58	77	TFEAAFTVSSKRNLADAV SK					Mascot
3739.7664	3739.7373	-0.0291	-8	85	117	LDEVYNAAYNAADHAAP EDKYEAFVLHFSEALR					Mascot

Gel Idx/Pos	85/G3		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 53	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Pollen allergen Phl p 6 OS=Phleum pratense GN=PHLPVI PE=1 SV=1	MPAP6_PHLPR	13912.1	5.31	8	162	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1163.6056	1163.603	-0.0026	-2	32	41 LIEDVNASFR	27	55.727			Mascot
1163.6056	1163.603	-0.0026	-2	32	41 LIEDVNASFR					Mascot
1343.6954	1343.6957	0.0003	0	58	69 TFEAAFTVSSKR	66	99.995			Mascot
1343.6954	1343.6957	0.0003	0	58	69 TFEAAFTVSSKR					Mascot
1550.8901	1550.8578	-0.0323	-21	70	84 NLADAVSKAPQLVPK					Mascot
1648.8363	1648.8258	-0.0105	-6	42	57 AAMATTANVPPADKYK					Mascot
1664.8313	1664.8192	-0.0121	-7	42	57 AAMATTANVPPADKYK			Oxidation (M)[3]		Mascot
1950.9767	1950.9758	-0.0009	0	25	41 ATTEEQKLIEDVNASFR					Mascot
2142.1189	2142.0549	-0.064	-30	58	77 TFEAAFTVSSKRNLADAVSK					Mascot
3136.627	3136.4463	-0.1807	-58	1	31 MVAMFLAVAVVLGLATSP TAEGGKATTEEQK			Oxidation (M)[1]		Mascot
3739.7664	3739.7373	-0.0291	-8	85	117 LDEVYNAAYNAADHAAP EDKYEAFVLHFSEALR					Mascot

Gel Idx/Pos	86/G4		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 54	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Phl p 3 allergen [Phleum pratense]	gi 39841264	10951.7	8.94	3	90	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1348.7372	1348.7312	-0.006	-4	57	68 SSKPLVGPFNFR	57	99.724			Mascot
1348.7372	1348.7312	-0.006	-4	57	68 SSKPLVGPFNFR					Mascot
1440.6754	1440.6582	-0.0172	-12	37	48 QHGSEEWELTK					Mascot
1605.8231	1605.8115	-0.0116	-7	23	36 YTRPGDSLAEVELR	12	0			Mascot
1605.8231	1605.8115	-0.0116	-7	23	36 YTRPGDSLAEVELR					Mascot

Gel Idx/Pos	33/C4		Instr./Gel Origin	ESTHER/T091203_0060_c_efd_SH	Process Status	Analysis Succeeded
Plate [#] Name	[1] T091203_0060	SPOT 54	Instrument Sample Name		Spectra	4

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Total Ion Score	Total Ion C. I. %	
1	Pollen allergen Lol p 3 OS=Lolium perenne PE=1 SV=1	MPAL3_LOLPR	10900.6	7.88	2	76	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1334.6886	1334.65	-0.0386	-29	56	67	SAKPLTGPMNFR	27	88.298	Oxidation (M)[9]	1	Mascot
1619.8387	1619.788	-0.0507	-31	22	35	YTRPGDTLAEVELR	49	99.916		1	Mascot

Gel Idx/Pos	87/G5		Instr./Gel Origin	ESTHER/T091009_0033_c_efd	Process Status	Analysis Succeeded
Plate [#] Name	[1] 001500000621	SPOT 55	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Species Score	
1	Phl p 3 allergen [Phleum pratense]	gi 39841264	10951.7	8.94	2	112	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1348.7372	1348.7346	-0.0026	-2	57	68 SSKPLVGPFNFR	58	99.699			Mascot
1348.7372	1348.7346	-0.0026	-2	57	68 SSKPLVGPFNFR					Mascot
1605.8231	1605.8202	-0.0029	-2	23	36 YTRPGDSLAEVELR	42	88.076			Mascot
1605.8231	1605.8202	-0.0029	-2	23	36 YTRPGDSLAEVELR					Mascot