

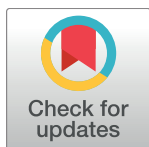
RESEARCH ARTICLE

A combined transcriptome and proteome analysis extends the allergome of house dust mite *Dermatophagoides* species

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Abstract

Background

House dust mites (HDMs) such as *Dermatophagoides farinae* and *D. pteronyssinus* represent major causes of perennial allergy. HDM proteomes are currently poorly characterized, with information mostly restricted to allergens. As of today, 33 distinct allergen groups have been identified for these 2 mite species, with groups 1 and 2 established as major allergens. Given the multiplicity of IgE-reactive mite proteins, potential additional allergens have likely been overlooked.

Objective

To perform a comprehensive characterization of the transcriptomes, proteomes and allergomes of *D. farinae* and *D. pteronyssinus* in order to identify novel allergens.

Methods

Transcriptomes were analyzed by RNA sequencing and *de novo* assembly. Comprehensive mass spectrometry-based analyses proteomes were combined with two-dimensional IgE reactivity profiling.

Results

Transcripts from *D. farinae* and *D. pteronyssinus* were assembled, translated into protein sequences and used to populate derived sequence databases in order to inform immuno-proteomic analyses. A total of 527 and 157 proteins were identified by bottom-up MS analyses in aqueous extracts from purified HDM bodies and fecal pellets, respectively. Based on high sequence similarities (>71% identity), we also identified 2 partial and 11 complete putative sequences of currently undisclosed *D. pteronyssinus* counterparts of *D. farinae* registered allergens. Immunoprofiling on 2D-gels revealed the presence of unknown 23 kDa IgE reactive proteins in both species. Following expression of non-glycosylated recombinant

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forms of these molecules, we confirm that these new allergens react with serum IgEs from 42% (8/19) of HDM-allergic individuals.

Conclusions

Using combined transcriptome and immunoproteome approaches, we provide a comprehensive characterization of *D. farinae* and *D. pteronyssinus* allergomes. We expanded the known allergen repertoire for *D. pteronyssinus* and identified two novel HDM allergens, now officially referred by the International Union of Immunological Societies (IUIS) Nomenclature Subcommittee as Der f 36 and Der p 36.

Introduction

House dust mites (HDMs) represent the main cause of perennial respiratory allergies, affecting more than half a billion people worldwide [1, 2]. Specifically, the *Pyroglyphidae* species *Dermatophagoides farinae* and *D. pteronyssinus* are responsible for up to 90% of allergies to HDMs [3]. As of today, 33 distinct allergen groups have been identified in these *Dermatophagoides* species, including 30 and 19 allergens officially recorded by the International Union of Immunological Societies (IUIS) Allergen Nomenclature Subcommittee (www.allergen.org) for *D. farinae* and *D. pteronyssinus*, respectively [4–8]. Among those, groups 1 and 2 are established as the most clinically relevant allergens, with a prevalence of IgE sensitization of 60%–100% in mite allergic patients [9–12] and a high potency (with anti-group 1 and anti-group 2 IgEs collectively representing 50–77% of total IgEs) [3, 9–11, 13–18]. In addition, Der p 23 has been identified as a new important allergen, with serum IgEs detected in 46–74% HDM-allergic patients albeit with a much lower potency, suggesting that it could be clinically relevant for selected patients [10, 19, 20]. Recently, Der f 35 has been described as a novel Der p 2-like candidate major allergen, but its clinical significance remains to be documented [21]. Groups 4, 5, 7 and 21 are considered as mid-prevalence/potency allergens, whereas the other groups are regarded as of minor or unknown importance [3–5, 22].

As of today, the proteomes and transcriptomes of *Dermatophagoides* species are only partially characterized. A comprehensive analysis of protein content of *Dermatophagoides* extracts by mass spectrometry (MS) has been limited to cross-species identification due to the limited sequence information available for HDMs. To address in part this issue, Expressed Sequence Tags databases have previously been used to inform HDM proteome analysis [23–25]. Nonetheless, a more detailed molecular characterization is still needed as *Dermatophagoides* extracts are commonly used for diagnostic and therapeutic purposes.

Recently, extensive transcriptome analysis relying upon next generation sequencing technologies have been successfully used by us and others to facilitate protein identification [26] in allergen sources as diverse as the mite *Tyrophagus putrescentiae* [27] and pollens from either Johnson grass [28], Timothy grass [29] or short ragweed [30]. In the present study, we performed such a combined analysis of the transcriptomes, proteomes and allergomes from *D. farinae* and *D. pteronyssinus* using deep RNA sequencing in association with MS/MS analyses and IgE reactivity profiling. We report on the comprehensive molecular characterization of the two *Dermatophagoides* species. Our results complement the known allergen repertoire of *D. pteronyssinus* and provide evidence for novel HDM allergens for the two species, officially registered by IUIS as Der f 36 and Der p 36.

Methods

Plasma samples

Plasma samples were collected from 19 HDM-allergic patients (Table 1) at hospital Bichat-Claude Bernard (Paris, France) after approval of the study protocol (ref. #120147–30) by an ethical committee and regulatory authorities (CPP Ile de France 1, RCB N° 2011-A01508-33). Written informed consents were obtained from patients. These patients suffer from allergic rhinitis (with ARIA scores ranging from Intermittent to Persistent Moderate/Severe), with or without concomitant mild asthma (GINA score 1). IgE sensitization to *D. farinae* and *D. pteronyssinus* was established based on positive skin prick tests as well as specific IgE levels ≥ 5 kU/L measured by ImmunoCAP with mite extracts (Thermo Fisher Scientific, Villebon-sur-Yvette, France). Plasma samples were used to assess the IgE reactivity of recombinant Der f 36 and Der p 36 in western blots.

Mites

D. farinae and *D. pteronyssinus* were grown for approximately 80 days. Whole culture media, containing mites at all development stages, were and harvested as described elsewhere [10].

Analysis of *Dermatophagoides* sp. transcriptomes

Transcriptomes were analyzed by deep RNA sequencing. To this aim, *D. farinae* and *D. pteronyssinus* (Stallergenes Greer, Antony, France) bodies were purified by sequential sieving and flotation [10]. Total RNAs were then isolated using the RNeasy kit (Qiagen, Courtaboeuf, France). Sequencing libraries were constructed by Vertis Biotechnologies (Freising, Germany). Beckman Coulter Genomics (Grenoble, France) performed sequencing using 454 (Roche Diagnostics, Meylan, France) and Hiseq2000 (Illumina, San Diego, USA) sequencers followed by *de novo* assembly with the Trinity/Oases suite [31]. For subsequent annotation, likely coding regions were identified using the Transdecoder program implemented in Trinity [32], translated into protein sequences and annotated by BLAST analysis against registered Arthropods proteins. Protein sequences shorter than 79 amino acids were excluded.

Analysis of *Dermatophagoides* sp. proteomes

Bodies and fecal particles were purified by sieving and flotation from *D. farinae* and *D. pteronyssinus* whole cultures (Stallergenes Greer), as reported elsewhere [10]. Briefly, proteins from aqueous extracts, obtained from one batch of bodies or fecal particles for each species, were denatured, then disulfide bonds were reduced and alkylated. Peptides obtained by trypsin digestion were subsequently separated by reverse-phase liquid chromatography (LC) using an Ultimate 3000 RS nano LC system (Thermo Fisher Scientific) and analyzed by tandem mass spectrometry (MS/MS) using an Impact HD mass spectrometer equipped with a CaptiveSpray source (Bruker Daltonics, Wissembourg, France) [10]. Peptide identification was performed using the PEAKS software version 8 (Bioinformatics Solutions Inc., Waterloo, Canada), using the species-specific transcriptome-derived databases supplemented with sequences of IUIS-registered allergens as reference datasets.

To further characterize the proteomes, HDM extracts, obtained from one whole culture for each mite species, were submitted to two-dimensional electrophoresis on 3–10 non linear pH range 12.5% DALT gels (GE Healthcare, Velizy-Villacoublay, France), as per the manufacturers' instructions. After staining with Sypro Ruby, gel plugs were excised from 2D-gels using an EXquest spot cutter (Bio-Rad, Marnes-La-Coquette, France), then destained and dehydrated. After in-gel digestion of proteins with trypsin, resulting peptides were analyzed by LC-MS/MS

Table 1. Characteristics of HDM-allergic patients included in the study.

Gender	Age (years)	Symptoms	ARIA	GINA	IgEs (kU/L)		IgE reactivity with rDer f 36 and rDer p 36
			score	score	<i>D. farinae</i>	<i>D. pteronyssinus</i>	
Female	25	AR+A	PMS	1	83.8	97.9	+
Female	22	AR	I	-	66.5	88.1	+
Female	21	AR+A	I	1	53.4	97.5	+
Male	28	AR+A	PM	1	48.3	59.7	+
Male	23	AR+A	PM	1	39	52.5	+
Female	39	AR+A	PM	1	19.3	28.8	+
Female	33	AR	I	-	19	15.2	+
Male	33	AR+A	PM	1	13.6	11.9	+
Male	23	AR+A	PMS	1	75.8	78.8	-
Female	44	AR	PM	-	36.3	39	-
Female	28	AR+A	I	1	33.2	21.6	-
Female	33	AR	PM	-	21.9	15.2	-
Male	22	AR+A	I	1	16.9	21.5	-
Female	28	AR	I	-	11.7	17.3	-
Female	19	AR	PMS	-	11.7	12.7	-
Male	23	AR+A	I	1	8.8	11.1	-
Male	22	AR+A	PMS	1	8.6	13.4	-
Female	35	AR+A	PM	1	7.7	12.4	-
Female	33	AR+A	I	1	5.8	8.1	-

HDM-allergic patients included in the study suffer from allergic rhinitis (AR) with or without concomitant asthma (A). Rhinitis and asthma symptoms are ranked according to ARIA (I: intermittent; PM: persistent mild; PMS: persistent moderate/severe) and GINA (1: mild) scores, respectively. Specific IgE titers were measured by ImmunoCAP with *D. farinae* or *D. pteronyssinus* extracts. The + and - symbols refer to positive and negative IgE reactivity of plasmas with recombinant Der f 36 and Der p 36 allergens in western blot experiments.

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using the aforementioned equipment and identified using the PEAKS software. Further details on MS analyses and protein identification are provided in the online repository.

Functional categorization

Subsets of proteins detected by at least two peptides in MS analyses of body and feces extracts were classified in functional categories, using the KEGG (Kyoto Encyclopedia of Genes and Genomes) Automatic Annotation Server (KAAS) [33]. KEGG orthologies (KO) were assigned using the single-directional best hit (SBH) method and the gene data set for arthropods.

Recombinant allergen expression in *Pichia pastoris*

Coding sequences of Der f 36 and Der p 36 were retrieved from transcriptome analysis. Codon-optimized DNA fragments encoding mature non-glycosylated variants (Der f 36 N50Q N121Q and Der p 36 N50Q N121Q) were cloned flush with the α -factor signal sequence into the pPICZ α A vector (Life technologies, Saint-Aubin, France). *P. pastoris* X33 cells were transformed with the resulting plasmids by electroporation using a Gene Pulser Xcell apparatus, according to the manufacturer's instructions (Bio-Rad). Recombinant Der f 36 and Der p 36 were produced by growing yeast transformants in Enpresso Y medium (Biosilta, St. Ives, United Kingdom), as per the manufacturer's instructions. Culture supernatants were harvested by centrifugation and stored at -20°C until use. A mock strain, obtained by transformation with the empty vector, was used as a negative control.

Results

Transcriptome and proteome analyses of *D. farinae* and *D. pteronyssinus*

We implemented a combined approach relying on deep RNA sequencing, MS/MS analyses and IgE reactivity mapping to characterize the transcriptomes, proteomes and allergomes of *D. farinae* and *D. pteronyssinus* (Fig 1). To this end, mRNAs were sequenced using 454 and Illumina sequencing technologies, then *de novo* assembled, to yield 161,429 and 156,174 contigs, respectively. After subsequent detection of likely coding regions, translation and annotation, *D. farinae* and *D. pteronyssinus*-specific protein sequence databases were populated with 37,585 and 143,369 entries (out of which 21,696 and 79,890 were annotated), respectively, for each of the mite species.

We then characterized the protein content of each of the HDM extracts, using species-specific transcriptome-derived datasets as search databases for MS-based identification of peptides. To this end, aqueous protein extracts were generated from either bodies or fecal particles purified from whole cultures and subsequently analyzed by LC-MS/MS analysis after tryptic digestion. A total of 326 and 201 proteins were detected with a minimum of 2 supporting peptides, in extracts from purified *D. farinae* and *D. pteronyssinus* bodies, respectively. In fecal pellets from each of the two species, 80 and 77 proteins, respectively, were detected using the same criteria (supplementary S1 and S2 Tables). A functional annotation on these subsets of proteins was subsequently performed using the KEGG annotation server. Many of these proteins were categorized within well-known functional groups, related to either general metabolism, genetic information processing or cellular processes (Fig 2).

Comprehensive characterization of *D. farinae* and *D. pteronyssinus* allergomes

We confirmed the presence in our transcriptome-derived databases of amino acid sequences corresponding to all HDM allergens currently registered by IUIS with supporting sequence data (*i. e.* Der f 1 to 4, Der f 6 to 8, Der f 10, Der f 11, Der f 13 to 16, Der f 18, Der f 20 to 22, Der f 24 to 35 as well as Der p 1 to 11, Der p 13 to 15, Der p 18, Der p 20, Der p 21, Der p 23, Der p 24). In addition, when mining the transcriptome-derived databases, we identified on the basis of high sequence similarities ($\geq 71.2\%$ in pairwise alignment) putative *D. pteronyssinus* counterparts of Der f 16, Der f 22, and Der f 25 to 35 (supplementary S3 Table). We also identified partial sequences of *D. farinae* counterparts of Der p 5, Der p 9 and Der p 23 (supplementary S3 Table). No sequence related to group 12 and 19 allergens associated with storage mites were detected. Interestingly, we also identified sequences related to families encompassing previously reported allergens in non-mite sources, such as enolases and phospholipases [34].

To further characterize HDM proteomes and allergomes, proteins from aqueous extracts of either *D. farinae* or *D. pteronyssinus* whole cultures were fractionated using high-resolution 2D-electrophoresis, prior to probing with a pool of sera from HDM-allergic donors (Fig 3). A total of 94 (out of which 63-IgE reactive) and 99 (out of which 50 IgE-reactive) gel plugs were recovered for *D. farinae* and *D. pteronyssinus* extracts, respectively, prior to LC-MS/MS analysis. Results of protein identification are provided in the online repository (supplementary S1 and S2 Figs, S4 and S5 Tables). Among the registered allergens 16 out of 30 (namely Der f 1 to 4, Der f 6, Der f 8, Der f 14, Der f 15, Der f 18, Der f 20, Der f 22, Der f 25, Der f 27, Der f 28, Der f 34 and Der f 35) and 9 out of 19 (namely Der p 1 to 4, Der p 6, Der p 8, Der p 9, Der p 15 and Der p 18) were detected in at least one spot for *D. farinae* and *D. pteronyssinus*, respectively. Whereas we did not detect the other known allergens under those experimental

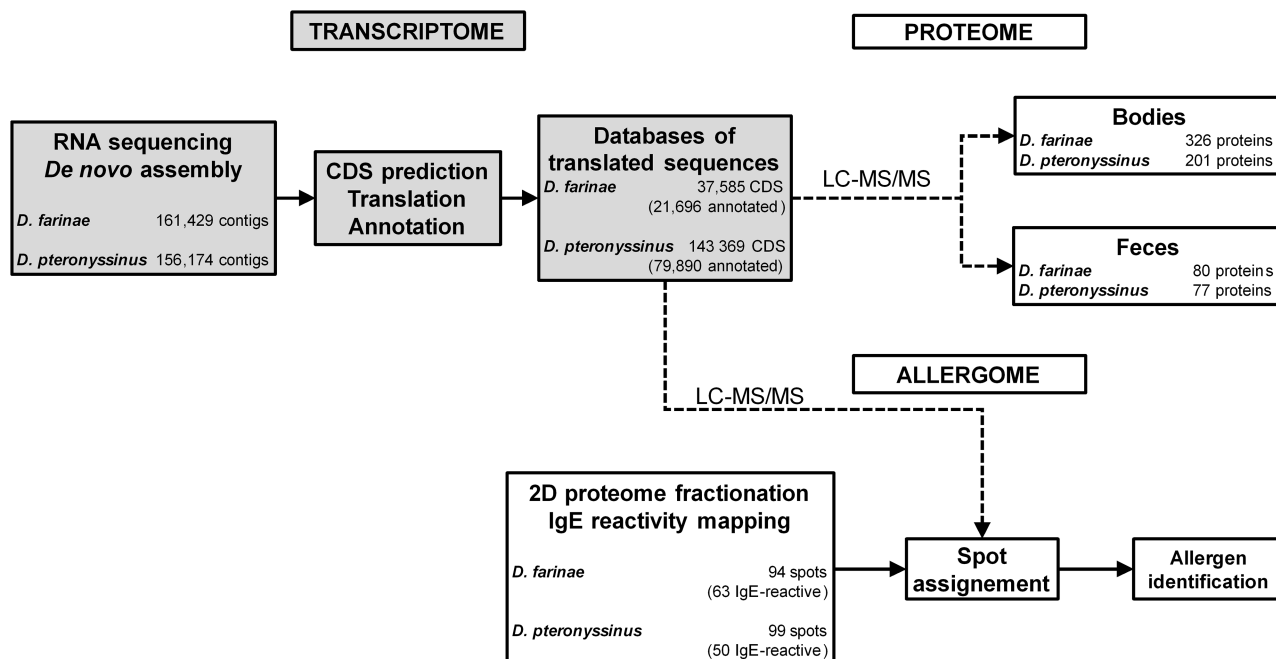


Fig 1. Experimental workflow of HDM transcriptome, proteome and allergome analyses. Messenger RNAs from *D. farinae* and *D. pteronyssinus* were sequenced using next generation sequencing. Following *de novo* assembly, translated sequence databases were derived after coding sequences (CDS) prediction and used as references to identify proteins in aqueous extracts from mite bodies and feces by LC-MS/MS analysis. In parallel, extracts from whole cultures were submitted to 2D-gel electrophoresis to establish reference 2D maps of species-specific proteomes and assign IgE reactivity.

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conditions, we confirmed that the latter are all present in the *D. farinae* or *D. pteronyssinus* extracts obtained from mite bodies and/or feces [10], with the exception of Der f 17 (whose sequence is not currently publicly available), Der f 24, Der p 13 and Der p 24.

Characterization of Der f 36 and Der p 36 as novel allergens

Highly IgE-reactive alkaline spots were observed for both species on 2D-western blots, located within the 20–25 kDa / pI 6–7 range (Fig 3). The *D. farinae*-related protein spots (supplementary S1 Fig, spots #75–78) were picked after Sypro Ruby staining. MS/MS analysis revealed that these spots contain an undescribed protein displaying a 46.8% amino acid sequence identity in pairwise alignment with a putative protein from *Sarcoptes scabiei* (KPM09946) [35] (Fig 4, supplementary S1 Table). Although the spots corresponding to a potential *D. pteronyssinus* counterpart were not detected on Sypro Ruby-stained 2D-gels, the presence of a highly similar molecule (79% amino acid identity) was nonetheless confirmed in the *D. pteronyssinus* extract by LC-MS/MS analysis (supplementary S1 Table). On the basis of the data presented below, these two molecules have been officially named and recorded as Der f 36 and Der p 36 in the IUIS allergen nomenclature. Further analyses confirmed that the two molecules are present in both body and feces extracts obtained from each of the two mite species (S1 and S2 Tables).

Nucleic coding sequences of Der f 36 and Der p 36 were retrieved from RNA sequencing data and shown to consist of 687 bp and 681 bp (Genbank KY465506 and KY465507 accession numbers) encoding 229- and 227- amino acid-long polypeptides, respectively. Importantly, the Der f 36 coding sequence was confirmed by alignment on the draft *D. farinae* genome [36], further indicating that this CDS is made of 3 exons. The inferred mature Der f 36 and Der p 36 polypeptides have both theoretical molecular masses of 22.7 kDa and isoelectric points of 6.6,

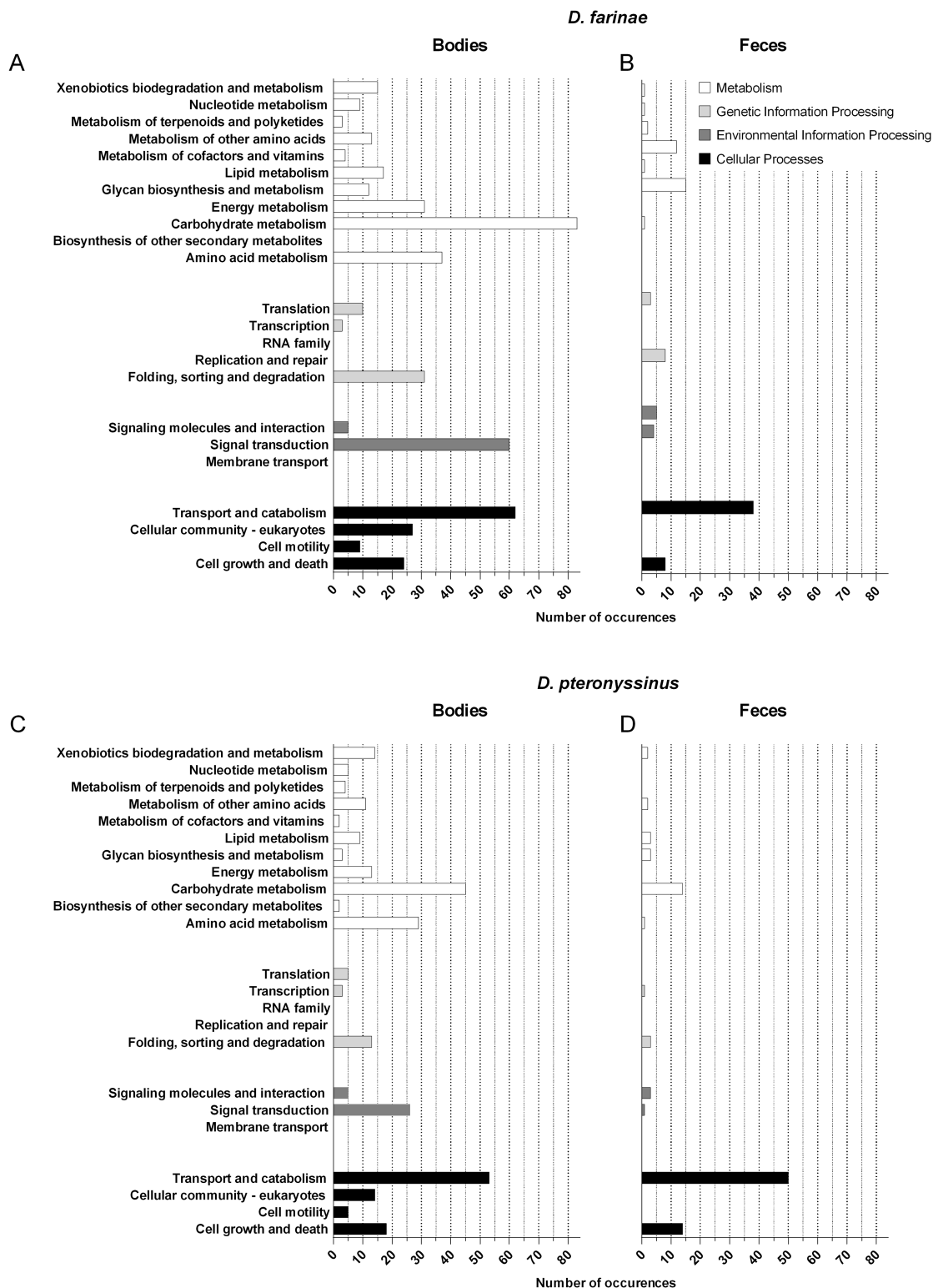


Fig 2. Functional analysis of proteomes from HDM bodies and feces. Proteins identified by LC-MS/MS in fractionated extracts from either body (left panel) or feces (right panel) were classified into functional categories using the KAAS server (details of protein identification are provided in supplementary S2 and S3 Tables). The histograms denote the numbers of occurrences of KEGG Orthology (KO) annotations for each of *D. farinae* (A, B) and *D. pteronyssinus* (C, D) species, assembled in functional categories.

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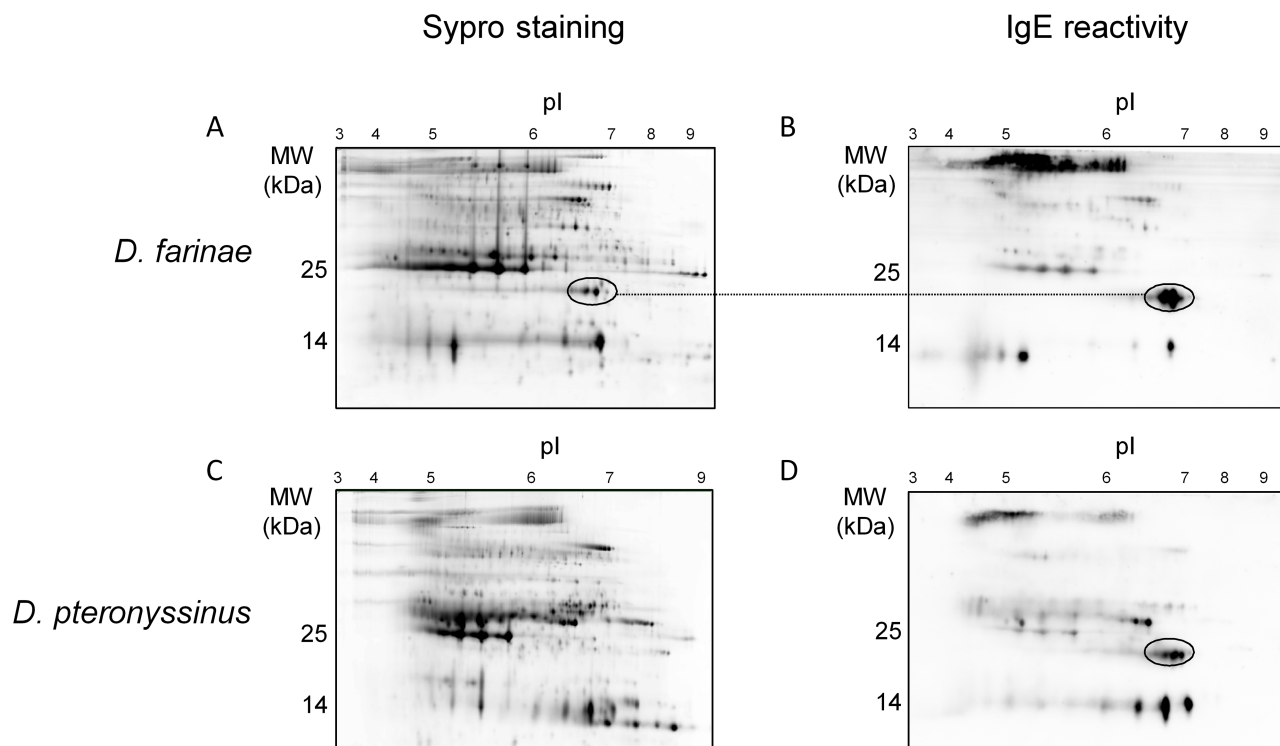


Fig 3. Proteome and IgE reactivity maps of *Dermatophagoides* species. Water-soluble HDM proteins were separated by 2D-gel electrophoresis and stained with Sypro Ruby or probed with a pool of serum IgEs from HDM-sensitized donors to establish 2D proteome (left panel) and IgE reactivity (right panel) maps for *D. farinae* (A, B) and *D. pteronyssinus* (C, D) species. Protein spots were picked and analyzed by LC-MS/MS after trypsin digestion, using the transcriptome-derived protein sequence collection supplemented with allergen sequences registered in the WHO/IUIS allergen database in order to facilitate identification. Spots corresponding to novel allergens (*i. e.* Der f 36 and Der p 36) are circled.

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in good agreement with our 2D-gel experimental data. Additionally, a N-terminal 24-amino acid signal sequence is predicted for both sequences.

To confirm that Der f 36 and Der p 36 represent *bona fide* allergens, both mature molecules were produced as soluble secreted non-glycosylated variants in *P. pastoris*. Recombinant Der f 36 and Der p 36 molecules resolve as a single band and a doublet, respectively, following SDS-PAGE, likely due to differences in disulfide bridge distribution (data not shown). Importantly, both recombinant molecules were confirmed to react with IgEs from a pool of sera from HDM-sensitized individuals (Fig 5).

These recombinant non-glycosylated Der f 36 and Der p 36 allergens were also used to document the prevalence of IgE sensitization by western blot using individual plasma samples from 19 HDM-allergic patients exhibiting allergic rhinitis symptoms, with or without concomitant mild asthma. A similar IgE reactivity was observed for both molecules with 42% (8 out of 19 tested) of patients' plasmas tested (Table 1).

Discussion

D. farinae and *D. pteronyssinus* house dust mites are broadly distributed worldwide, and as such, they represent the main cause of respiratory allergies [3]. Frequent IgE sensitization to these two mite species can be in large part explained by the rich and complex pattern of allergens that they contain, encompassing as of today up to 33 different allergen groups officially recognized by IUIS. Whereas it is well established that groups 1 and 2 represent the main

Der f 36	25	DSQAQEQCRQLHHVDIDPSGTFKFLNNNCRNLNCNIHGQIYGHNINEGRTCMIGQTNVVCQN	84
Der p 36	25	DTVAQEQCRQLHHVDVDPSTQFLNNNCLLDCNIHGKIYSHNMNEGRTCMVGRTNVVCNRN	84
KPM09946	25	DQKAQNDRCRQIHHCVDVTNGTHYSENGCHLTCLHGHEYHHAMNENQICLVNGAWHCKK	84
		* *:***:* * * .***: :*. * * * :***: * * :***: :*:* . :*:*	
Der f 36	85	GECVGHNRQHVGHIDIELISASLYEKANAYATVCIMNNSLPISLPIDRRNCISCSTHVK	144
Der p 36	85	GQCVGNN-QHVGHVDIELISASLYEKANAYASVCIKNNSMPISLPIQDRRCITCSTQVR	143
KPM09946	85	GHC IPT--ENLGYIDVEIISAALSRPANAYATVCLQNNTPVPLPIRDRSKCIQCSTQVK	142
		.: :***:*.***:* . *****:**: *:* :***:* .** *****:	
Der f 36	145	ENTNYPVWNEVCVGSSNYLFVSDSRVTTEVWDHGSN-NNVFLGGVTLTIDQLVNHGDNH	203
Der p 36	144	SNTNPIWNEVCTGSGNYLLVSDSRVAIEVWNHLGTS-NNIFLGGVSLTIDQLVNHG2DNH	202
KPM09946	143	PHTARPVWHQICRGSGKYIFRKNSRVTFEVWDYHGSQIPNVFLGGSTLTIKKLEFGDSG	202
		:* *:***:* * *.***: .:***: *****: *:. *:***** :***:.*:..**.	
Der f 36	204	RQINLAMAGGHNPGQLSTRITWTQRT-	229
Der p 36	203	RAINLAMAG-NKPGQLTRITWTQRN-	227
KPM09946	203	RAINMALFGSPFRGQLTGRITWTPLKK	229
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Fig 4. Primary sequence alignment of group 36 allergens. The amino acid sequences of Der f 36 and Der p 36 were aligned with the one of the putative KPM09946 protein from *S. scabiei*. Putative N-glycosylation sites (●) in Der f 36 and Der p 36 are highlighted. The *,;, symbols and empty space indicate identical, highly similar, similar or different amino acid, respectively. Residues are numbered relative to translation start.

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clinically relevant allergens, IgE reactivity profiles suggest that additional allergens remain to be identified [37]. Beyond the allergen content, a comprehensive molecular characterization of *D. farinae* and *D. pteronyssinus* extracts is also of major interest, since the latter are commonly used for diagnostic purposes but also as drug substances to treat HDM allergic patients by allergen immunotherapy [3, 38, 39]. Several studies conducted by us and others using MS-based analyses have shed some light on *Dermatophagoides* proteomes [23–25, 40, 41]. However, protein identification relying on sequence similarity searches using public databases has been consistently limited in those studies by the paucity of genomic or protein sequence data available.

In this context, we implemented herein a combined approach associating transcriptome sequencing, MS-based protein identification and IgE reactivity profiling in order to better document *Dermatophagoides* transcriptomes, proteomes and allergomes. We first generated a comprehensive inventory of transcripts by deep RNA sequencing, then inferred protein sequences to populate datasets encompassing 37,585 and 143,369 protein entries for *D. farinae* and *D. pteronyssinus*, respectively, in order to support MS-based protein identification. Approximately 75% of the transcripts assembled for *D. farinae* could be mapped to the recently published draft genome [36]. Failure to align the remaining transcripts could be explained *i. a.* by errors in *de novo* read assembly or by the absence of the corresponding regions in the draft genome. Furthermore, more than 55% of the inferred protein sequences were positively annotated by Blast analyses, thus confirming the accuracy of amino acid sequence prediction in those analyses. Collectively, more than 500 proteins have been identified in body or feces extracts from *D. farinae* and *D. pteronyssinus*, thus dramatically extending our knowledge of the proteomes of those two important mite species. A pathway analysis was performed on the latter dataset using KAAS server, revealing that many of the flagged proteins are related to general metabolism and cellular processes.

Focusing on allergens, our transcript databases comprise sequences corresponding to all known registered allergens with supporting sequencing data (*i. e.* Der f 1 to 4, Der f 6 to 8, Der

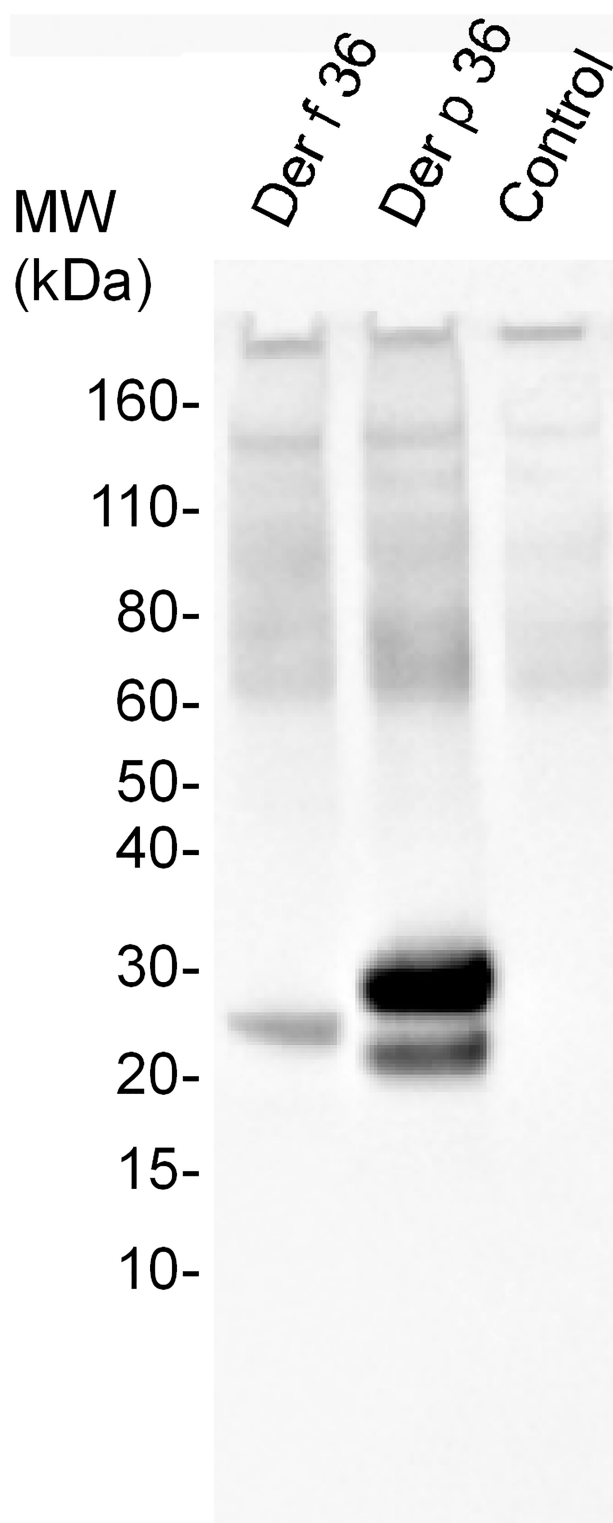


Fig 5. IgE reactivity of recombinant Der f 36 and Der p 36. Recombinant non-glycosylated Der f 36 and Der p 36 were produced in *P. pastoris*. IgE reactivity was assessed by western blot using a pool of sera from HDM-sensitized individuals. Culture supernatant from a mock strain was used as a negative control.

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f 10, Der f 11, Der f 13 to 16, Der f 18, Der f 20 to 22, Der f 24 to 35 and Der p 1 to 11, Der p 13 to 15, Der p 18, Der p 20, Der p 23, Der p 24). Among those, allergens from groups 5, 9 and 23 are officially registered in WHO/IUIS database only for *D. pteronyssinus*. We retrieved in our analyses partial *D. farinae* counterpart sequences which match those of Der f 5, Der f 9 and Der f 23 that have been deposited in Genbank. Likewise, groups 16, 22 and 25 to 35 are currently only documented in *D. farinae*. Importantly, we identified putative *D. pteronyssinus* counterparts to all these 13 allergens based on their high sequence similarity ($\geq 71.2\%$ identity) (supplementary S3 Table). Finally, as expected, we failed to detect in our analyses any sequence related to groups 12 and 19 allergens since the latter have previously been documented in storage mites and *Blomia tropicalis*, but are not reported in *Pyroglyphidae* mites [4, 8, 12, 36].

At a protein level, MS analyses after extract fractionation over 2D-gels led to the detection of Der f 1 to 4, Der f 6, Der f 8, Der f 14, Der f 15, Der f 18, Der f 20, Der f 22, Der f 25, Der f 27, Der f 28, Der f 34, Der f 35 as well as Der p 1 to 4, Der p 6, Der p 8, Der p 9, Der p 15, Der p 18 based on at least 2 specific peptides. In agreement with our previous study [10], these results confirm that most known allergens, including the recently registered Der f 4, Der f 34 and Der f 35 allergens, are present in our *Dermatophagoides* extracts. The presence of Der f 24, Der p 13 and Der p 24 could not be demonstrated using our analysis criteria. Minor discrepancies between in-gel and in-solution analyses in the present study (e. g. lack of detection of allergens from groups 7, 10 and 11) are likely explained by differences in sample preparation used for 2D-gel or MS analyses.

Our study also confirmed the presence in *Dermatophagoides* extracts of proteins with significant similarity with members of protein families known to encompass allergens, such as enolases or phospholipases, suggesting that additional allergens may be present in house dust mites [25, 34]. Consistent with this, we observed some IgE reactivity which could not be assigned to currently known mite allergens. Specifically, we identified α -glucosidases as high molecular mass candidate allergens eliciting IgEs in selected patients (supplementary S1 Fig, spots #9, #13–16; S2 Fig, spots #1–4, data not shown). The allergenicity of these molecules needs to be further investigated in dedicated studies.

Importantly, we also established that some 23 kDa proteins represent novel HDM group 36 mite allergens, present in both *D. farinae* and *D. pteronyssinus* species. Der f 36 and Der p 36 display a high amino acid sequence similarity (79% identity), and a 46% identity with the KPM0996 putative protein from the scabies mite *Sarcoptes scabiei*. Whereas, the latter has a predicted C2 domain, it has no biochemical function ascribed as of today. Group 36 molecules do not display significant amino acid sequence similarity with known allergens, making Der f 36 and Der p 36 first-in-class allergens. Using recombinant molecules, we documented IgE reactivity towards group 36 molecules in 42% of HDM-allergic individuals, with no disconnect observed between Der f 36 and Der p 36, as expected given their high similarity. Although Der f 36 and Der p 36 harbor two putative N-glycosylation motifs, MS spectra failed to detect the presence of glycan moieties on the two natural molecules (data not shown). Importantly, non-glycosylated forms of recombinant Der f 36 and Der p 36 also bind IgE (Fig 5), confirming that cross-reactive carbohydrates are not responsible for the IgE reactivity of these *bona fide* allergens. The potency of group 36 allergens has not been assessed, however, given that (i) only 42% of HDM allergic patients exhibit IgE reactivity with such molecules, and (ii) 50–77% of IgE reactivity is commonly assigned to group 1 or group 2 allergens [3, 4, 9–11, 13–16], we conclude that Der f 36 and Der p 36 represent minor HDM allergens, even if they may be clinically relevant for selected mite-allergic patients.

In conclusion, our combined transcriptome and proteome analyses have yielded a comprehensive molecular characterization of *D. farinae* and *D. pteronyssinus* extracts, further expanding the known allergomes for these mite species to 34 groups of allergens.

Supporting information

S1 Text. Materials and methods. (DOCX)

S1 Fig. 2D reference maps of the *D. farinae* proteome and allergome. (A) Proteins from a *D. farinae* whole culture extract were separated by 2D-gel electrophoresis and stained with Sypro Ruby. (B) IgE reactivity pattern using a pool of seric IgEs from HDM-sensitized individuals. IgE-reactive (red circles) and non IgE-reactive (green circles) spots were picked and analyzed by LC-MS/MS after trypsin digestion. Proteins were identified using the transcriptome derived sequence database supplemented with registered allergen sequences. Identification results are provided in supplementary [S4 Table](#).
(TIF)

S2 Fig. 2D reference maps of the *D. pteronyssinus* proteome and allergome. (A) Proteins from a *D. pteronyssinus* whole culture extract were separated by 2D-gel electrophoresis and stained with Sypro Ruby. (B) IgE reactivity pattern using a pool of seric IgEs from HDM-sensitized individuals. IgE-reactive (red circles) and non IgE-reactive (green circles) spots were picked and analyzed by LC-MS/MS after trypsin digestion. Proteins were identified using the transcriptome derived sequence database supplemented with registered allergen sequences. Identification results are provided in supplementary [S5 Table](#).
(TIF)

S1 Table. Overview of *D. farinae* body and fecal proteomes. Protein extracts from *D. farinae* fractionated bodies and fecal pellets were analyzed by LC-MS/MS. Protein identification was performed using the species-specific transcriptome derived protein database, supplemented with IUIS-registered allergen sequences, as reference dataset. Only entries identified by a minimum of 2 peptides sequenced were taken into account. Proteins are reported by the entry name with the total numbers of supporting mapping sequenced peptides (#peptides) and of uniquely mapping peptides (#unique) as well as, when available, the result of the annotation by blast analysis.
(PDF)

S2 Table. Overview of *D. pteronyssinus* body and fecal proteomes. Protein extracts from *D. pteronyssinus* fractionated bodies and feces were analyzed by LC-MS/MS. Protein identification was performed using the species-specific transcriptome derived protein database, supplemented with IUIS-registered allergen sequences, as reference dataset. Only entries identified by a minimum of 2 peptides sequenced were taken into account. Proteins are reported by the entry name with the total numbers of supporting sequenced peptides (#peptides) and of uniquely mapping peptides (#unique) as well as, when available, the result of the annotation by blast analysis.
(PDF)

S3 Table. Counterparts of registered allergens. Counterparts in either *D. farinae* or *D. pteronyssinus* of IUIS-recorded allergens were identified in transcriptome-derived databases using blast analyses.
(PDF)

S4 Table. Analysis of *D. farinae* proteome after 2D electrophoresis. A protein extract from whole *D. farinae* culture was submitted to two-dimensional gel electrophoresis. After staining with Sypro Ruby, gel plugs from 94 protein spots ([S1 Fig](#)) were recovered, trypsin digested then analyzed by LC-MS/MS. Numbers refer to the IgE-reactive (red cell) and non IgE-reactive

(green cell) spots analyzed. Protein identification was performed using the species-specific transcriptome derived protein database, supplemented with IUIS-registered allergen sequences, as reference dataset. Only entries identified by a minimum of 2 peptides sequenced were taken into account. Proteins are reported by the entry name with the total numbers of supporting sequenced peptides (#peptides) and of uniquely mapping peptides (#unique) as well as, when available, the result of the annotation by blast analysis.

(PDF)

S5 Table. Analysis of *D. pteronyssinus* proteome after 2D electrophoresis. A protein extract from whole *D. pteronyssinus* culture was submitted to two-dimensional gel electrophoresis. After staining with Sypro Ruby, gel plugs from 99 protein spots (S2 Fig) were recovered, trypsin digested then analyzed by LC-MS/MS. Numbers refer to the IgE-reactive (red cell) and non IgE-reactive (green cell) spots analyzed. Protein identification was performed using the species-specific transcriptome derived protein database, supplemented with IUIS-registered allergen sequences, as reference dataset. Only entries identified by a minimum of 2 peptides sequenced were taken into account. Proteins are reported by the entry name with the total numbers of supporting sequenced peptides (#peptides) and of uniquely mapping peptides (#unique) as well as, when available, the result of the annotation by blast analysis.

(PDF)

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Supporting Information

Supplementary Material and Methods

In-solution mass spectrometry (MS) analyses

Proteins (5 µg) were denatured with 0.5 % (w/v) RapiGest SF (Waters, Guyancourt, France) and disulfide bonds were reduced using dithiothreitol and alkylated by iodoacetamide. Trypsin digestion was performed at 37°C for 3 h using a trypsin:protein ratio of 1:25. Digested samples (0.5-1 µg of proteins) were loaded onto an Acclaim PepMap 100 C₁₈ Trap column (Thermo Fisher Scientific, Saint-Quentin-en-Yvelines, France) and separated at 50°C using an Acclaim PepMap RSLC C₁₈ column (2 µm, 100 Å, 75 µm x 50 cm, Thermo Fisher Scientific). Peptides were eluted at a 300 nL/min flow rate using a 200-min gradient of 0.1 % formic acid / 80% acetonitrile 0.1 % formic acid. The column eluent was introduced into an Impact HD QqToF mass spectrometer equipped with a CaptiveSpray source (Bruker Daltonics, Wissembourg, France). Analyses were performed in the positive ion mode using capillary and end plate offset voltages of -1300 V and -500 V, respectively. The drier temperature was set at 180°C. Data were acquired by the ToF analyzer from m/z 50 to 2000. MS/MS spectra were acquired in an intensity dependent mode at a rate of 2-16 Hz in the range of m/z 300-1800 (charge state >2) and a MS spectra rate of 2 Hz. Mass calibration was performed both externally, using the ESI-L Low Concentration Tuning Mix (Agilent Technologies, Les Ulis, France), and internally, using the lock mass option in MS mode: m/z 1221.9906 (Chip cube high mass reference, Agilent Technologies).

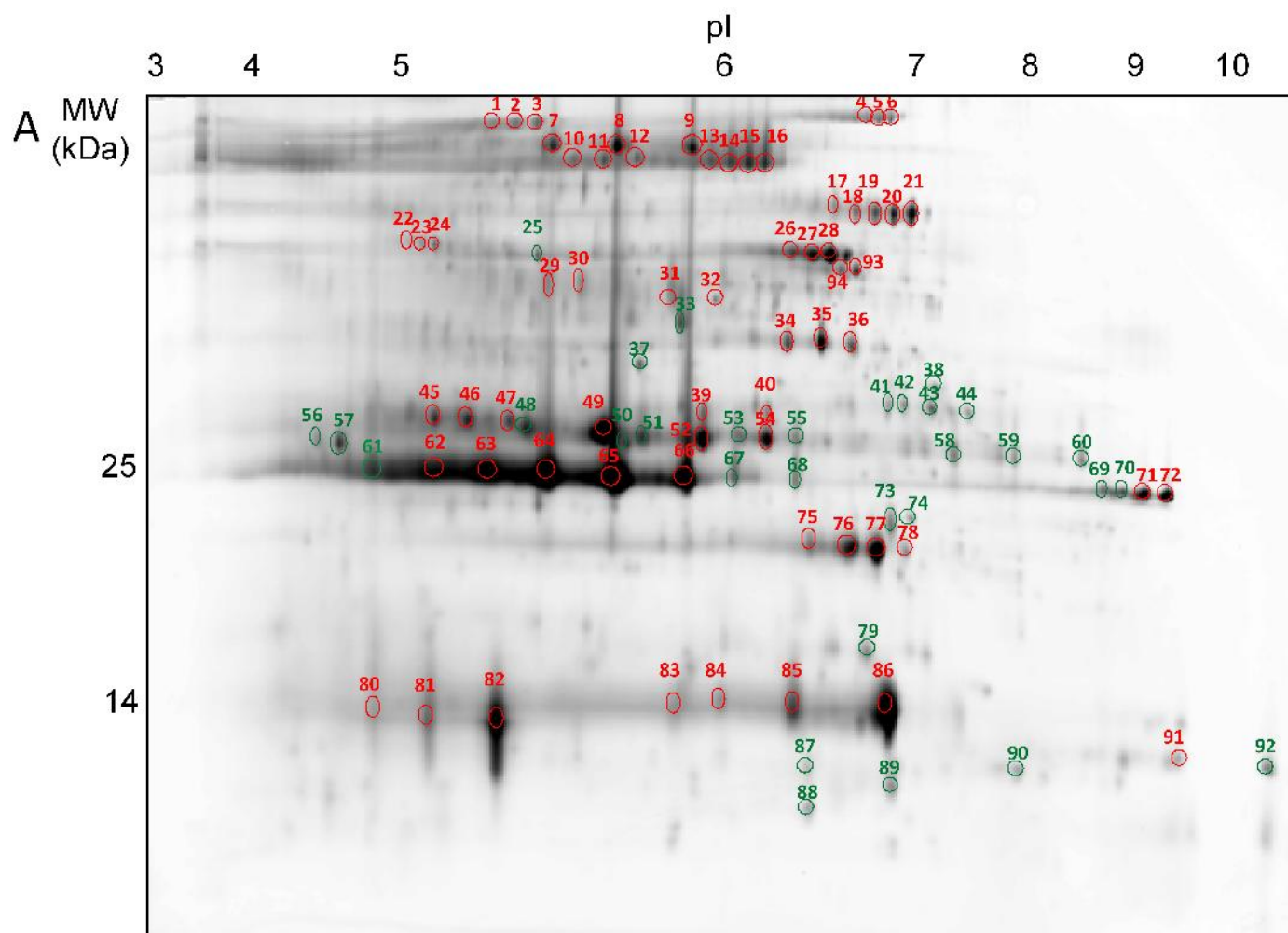
Peptide identification was performed using the PEAKS software version 8 (Bioinformatics Solutions Inc., Waterloo, Canada) with the species-specific

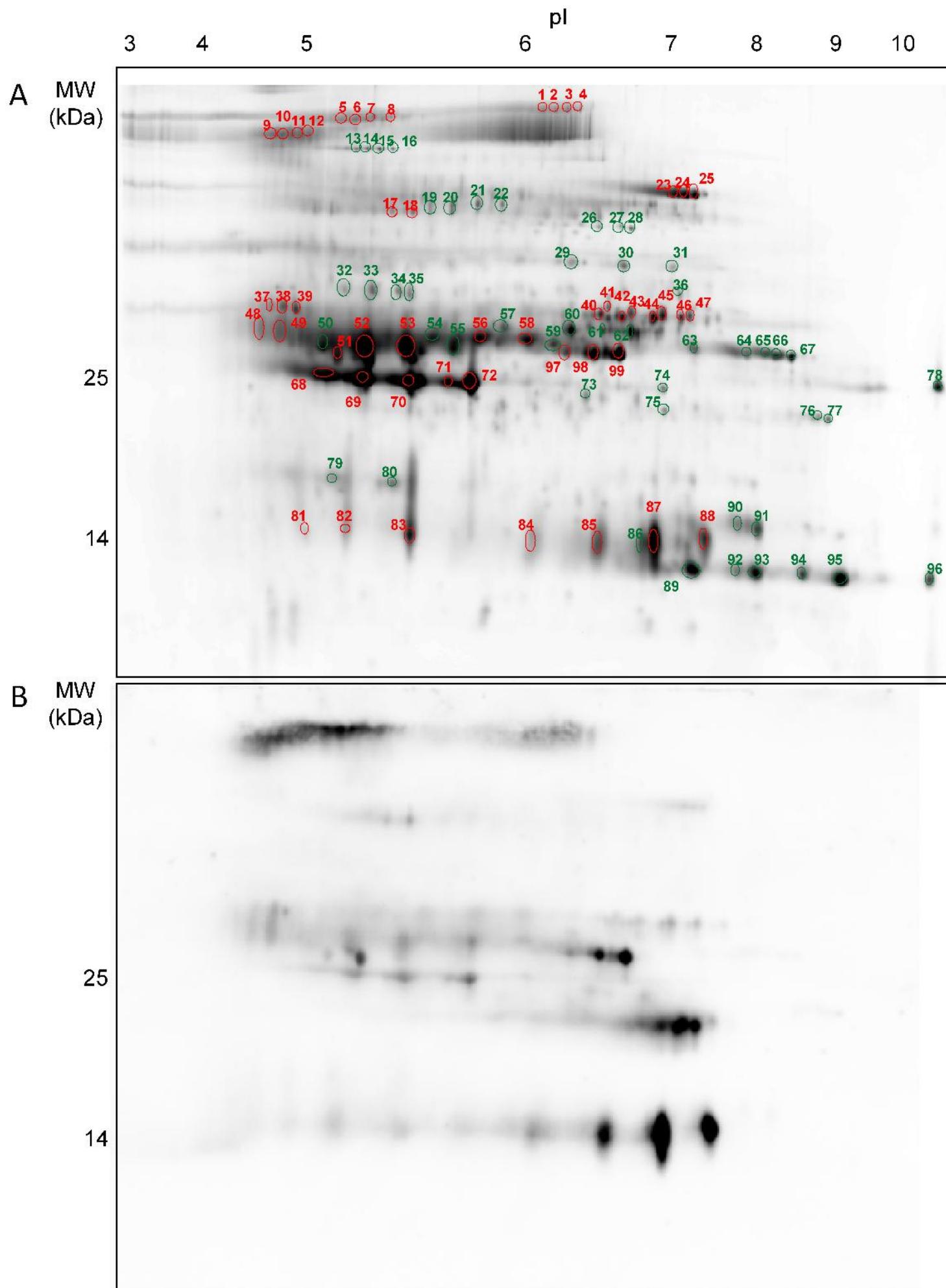
transcriptome-derived databases, supplemented with the sequences of IUIS-registered allergens, as reference datasets (encompassing 37,640 and 143,430 entries for *D. farinae* and *D. pteronyssinus*, respectively). Database search was performed using the following parameters: peptide mass tolerance of 10 ppm (0.05 Da for fragment ions), trypsin enzyme, one non-specific cleavage at both ends of the peptide allowed, three missed cleavages permitted, carbamidomethylation of cysteine as a fixed modification, deamidation of glutamine/asparagine and oxidation of methionine as variable modifications, allowing a maximum of 5 variable post-translational modifications per peptide. Protein identifications were confirmed with the application of a 0.1% peptide-spectrum matches false discovery rate (estimated with the decoy fusion method).

In-gel MS analyses

HDM extracts were submitted to two-dimensional electrophoresis. Proteins were precipitated using TCA/acetone and resuspended in a 7 M urea, 2 M thiourea, 4% CHAPS and 30 mM Tris pH 8.8 buffer before 2D-gel electrophoresis using 3–10 non linear pH range 12.5% DALT gels (GE Healthcare, Velizy-Villacoublay, France), as per the manufacturers' instructions. After staining with Sypro Ruby, gel pieces were excised using an EXquest spot cutter (Bio-Rad, Marnes-La-Coquette, France) then destained with a 50% acetonitrile / 50 mM ammonium bicarbonate solution and dehydrated using acetonitrile. Next, gel pieces were rehydrated with 5 µL of a 2 ng/µL trypsin solution prepared in 50 mM ammonium bicarbonate 0.01% (w/v) ProteaseMax (Promega, Lyon, France) digestion solution. After a 10 min incubation at room temperature, 40 µL of digestion solution were added. After a 1h45 incubation at 37°C, the enzymatic digestion was quenched by adding 10 µL of a 5% formic acid

50 solution. Digests were analyzed by reversed-phase liquid chromatography using an
51 Ultimate 3000 RS nano LC system (Thermo Fisher Scientific) coupled to a mass
52 spectrometer. Digested samples were loaded onto an Acclaim PepMap 100 C₁₈ Trap
53 column (Thermo Scientific) and separated at 50°C at a flow rate of 450 nL/min using
54 an Acclaim PepMap RSLC C₁₈ column (2 µm, 100 Å, 75 µm x 15 cm, Thermo
55 Scientific) using a 45 min gradient of 0.1% formic acid / 80 % acetonitrile 0.1 %
56 formic acid. Eluted peptides were then introduced into an impact HD QqToF mass
57 spectrometer with CaptiveSpray source (Brucker Daltonics). Acquisitions were
58 performed in positive mode with capillary voltage set at - 1,400 V. MS spectra were
59 acquired over the 110-2,000 m/z range with a scan rate of 2 Hz. Acquisitions were
60 performed using the Intensity Dependent Acquisition Speed (IDAS) mode with a MS-
61 MS/MS cycle time fixed at 2 s and MS/MS acquisition speed varying from 2 to 8 Hz
62 depending on precursor intensity. Peptide identification was performed using PEAKS
63 software as described above but neither non-specific cleavage nor variable
64 modification were allowed.





Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	Der f 10.0101	49	49	Der f 10.0101
Bodies	Der f 11.0101	38	0	Der f 11.0101
Bodies	cds.comp43197_c0_seq1 m.10342	36	35	B2MVM3_SARSC Actin
Bodies	cds.comp98587_c0_seq1 m.25206	31	30	Q2HXLW9_BLAGL Enolase
Bodies	Der f 20.0101	27	23	Der f 20.0101
Bodies	cds.comp111369_c0_seq1 m.35926	26	26	Q9U785_EURMA High molecular weight allergen M-177 Flags: Precursor
Bodies	cds.comp70079_c0_seq1 m.16663	25	0	B2CQL3_9ACAR Paramyosin
Bodies	cds.comp44977_c0_seq1 m.10822	22	22	I4DIT1_PAPXU Similar to CG7031
Bodies	cds.comp96053_c0_seq1 m.22817	22	22	K7J833_NASVI Malate dehydrogenase EC=1.1.1.37
Bodies	cds.comp26781_c0_seq1 m.6407	22	22	B7QE46_IXOSC ATP synthase subunit beta EC=3.6.3.14
Bodies	cds.comp55665_c0_seq1 m.13512	21	21	A1KY40_BLOTA Major abundant protein BTP1
Bodies	Der f 2.0103	20	2	Der f 2.0103
Bodies	Der f 2.0102	19	1	Der f 2.0102
Bodies	Der f 26.0101	19	19	Der f 26.0101
Bodies	cds.comp96183_c0_seq1 m.22947	18	18	D7URK4_SARSC Myosin heavy chain Flags: Fragment
Bodies	cds.comp70080_c0_seq1 m.16667	17	4	Q6Y2F9_DERPT HDM allergen
Bodies	cds.comp100593_c0_seq1 m.27383	17	17	F1CJ03_HOTJU Putative muscular protein Flags: Fragment
Bodies	cds.comp98584_c0_seq1 m.25201	16	16	no hit
Bodies	Der f 1.0107	15	6	Der f 1.0107

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp103285_c0_seq1 m.29677	15	15	A1KXG7_DERFA Der f 7 allergen
Bodies	Der f 15.0101	15	15	Der f 15.0101
Bodies	cds.comp127448_c0_seq1 m.44235	15	15	G3MT41_9ACAR ATP synthase subunit alpha
Bodies	cds.comp94136_c0_seq1 m.21929	15	15	Q16FX9_AEDAE 4-hydroxyphenylpyruvate dioxygenase
Bodies	cds.comp121486_c0_seq1 m.41772	14	14	A1KY40_BLOTA Major abundant protein BTP1
Bodies	cds.comp7297_c0_seq1 m.1766	14	14	E2A599_CAMFO Lysosomal alpha-glucosidase
Bodies	cds.comp127400_c0_seq1 m.44186	14	14	A1KY40_BLOTA Major abundant protein BTP1
Bodies	cds.comp14640_c0_seq1 m.3489	14	14	E1ZW00_CAMFO Myosin heavy chain muscle
Bodies	cds.comp128657_c0_seq1 m.44900	14	14	no hit
Bodies	cds.comp7296_c0_seq1 m.1765	13	13	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
Bodies	Der f 13.0101	13	13	Der f 13.0101
Bodies	cds.comp127978_c0_seq1 m.44503	13	13	B7QHI5_IXOSC Putative uncharacterized protein
Bodies	Der f 20.0201	13	9	Der f 20.0201
Bodies	cds.comp111369_c0_seq1 m.35927	12	12	Q9U785_EURMA High molecular weight allergen M-177 Flags: Precursor
Bodies	cds.comp78532_c0_seq1 m.18484	12	12	A1KXH8_DERFA Der f Gal d 2 allergen
Bodies	cds.comp80154_c0_seq1 m.18914	12	12	Der f 35
Bodies	cds.comp39978_c0_seq1 m.9575	12	2	I4DIT1_PAPXU Similar to CG7031
Bodies	cds.comp106293_c0_seq1 m.32453	12	12	B7QIG6_IXOSC Secreted salivary gland peptide putative
Bodies	cds.comp143469_c0_seq1 m.49723	12	12	B0KZL1_TYRPU Mite allergen Tyr p 7

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	Der f 25.0201	12	12	Der f 25.0201
Bodies	cds.comp113999_c0_seq1 m.37857	12	12	B7PBS2_IXOSC Structural constituent of cuticle putative
Bodies	cds.comp108058_c0_seq1 m.33824	12	12	F5HJZ1_ANOGA AGAP000801-PB Flags: Fragment
Bodies	Der f 16.0101	12	7	Der f 16.0101
Bodies	cds.comp83879_c0_seq1 m.19673	12	12	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
Bodies	cds.comp117839_c0_seq1 m.39927	12	12	G6CYG8_DANPL Phosphoribosylaminoimidazole carboxylase phosphoribosylaminoimidazole succinocarboxamide synthetase
Bodies	cds.comp114970_c0_seq1 m.38343	11	11	Der f 36
Bodies	Der f 7.0101	11	11	Der f 7.0101
Bodies	cds.comp88672_c0_seq1 m.20734	11	11	D2DGW3_TYRPU Troponin C
Bodies	cds.comp5505_c0_seq1 m.1316	11	11	Q6QWP0_9ARAC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
Bodies	cds.comp96501_c0_seq1 m.23237	11	11	A8E4K0_9ACAR Troponin T
Bodies	cds.comp34142_c0_seq1 m.8165	11	11	B7Q0R0_IXOSC Phosphoglycerate mutase putative EC=5.4.2.1
Bodies	cds.comp23030_c0_seq1 m.5492	11	11	I1ZCC6_DERFA Elongation factor 1-alpha Flags: Fragment
Bodies	cds.comp108273_c0_seq1 m.34021	11	11	Q0KKA6_HAELO Leucine aminopeptidase
Bodies	cds.comp102386_c0_seq1 m.28694	11	11	A1KXH7_DERFA Der f Alt a 10 allergen
Bodies	cds.comp96034_c0_seq1 m.22500	10	0	no hit
Bodies	cds.comp100545_c0_seq1 m.27337	10	10	Q1HQT8_AEDAE AAEL007549-PA SubName: Full=Phosphatidylethanolamine-binding protein
Bodies	cds.comp140939_c0_seq1 m.49097	10	10	Q5TS83_ANOGA AGAP008584-PA
Bodies	cds.comp103290_c0_seq1 m.29682	10	10	E2BBG1_HARSA Filamin-C

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp57824_c0_seq1 m.14037	10	10	Q1M0Y1_BLOTA Blo t allergen isoform 2
Bodies	Der f 4.0101	10	10	Der f 4.0101
Bodies	cds.comp105707_c0_seq1 m.31981	10	10	F4WQI8_ACREC Actin-interacting protein 1
Bodies	cds.comp39311_c0_seq1 m.9404	10	10	F4W8Y5_ACREC Lysosomal alpha-mannosidase
Bodies	cds.comp103780_c0_seq1 m.30108	10	10	no hit
Bodies	cds.comp128016_c0_seq1 m.44537	10	0	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
Bodies	Der f 32.0101	10	10	Der f 32.0101
Bodies	cds.comp99320_c0_seq1 m.26025	9	0	A1KXH2_DERFA Der f 1 allergen
Bodies	cds.comp114791_c0_seq1 m.38248	9	9	no hit
Bodies	cds.comp101423_c0_seq1 m.28025	9	2	A1KXH3_DERFA Der f 3 allergen
Bodies	cds.comp89610_c0_seq1 m.20924	9	9	B7QNY0_IXOSC Serpin-2 putative EC=2.7.11.1
Bodies	Der f 28.0101	9	6	Der f 28.0101
Bodies	cds.comp118120_c0_seq1 m.40093	9	9	L7UZ91_DERFA Ferritin
Bodies	cds.comp96086_c0_seq1 m.22836	9	9	Q09JE3_ARGMO Superoxide dismutase [Cu-Zn] EC=1.15.1.1
Bodies	cds.comp100364_c0_seq1 m.27163	9	9	Q8MRY3_DROME SD13780p
Bodies	cds.comp101559_c0_seq1 m.28081	9	9	B7Q0D4_IXOSC Fumarylacetoacetase putative EC=3.7.1.2
Bodies	Der f 31.0101	9	9	Der f 31.0101
Bodies	cds.comp113406_c0_seq1 m.37483	9	9	D2A5H8_TRICA Phosphoglycerate kinase EC=2.7.2.3
Bodies	cds.comp104802_c0_seq1 m.31198	9	9	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp52788_c0_seq1 m.12723	9	9	L7MFY3_9ACAR Putative thioredoxin peroxidase Flags: Fragment
Bodies	cds.comp43198_c0_seq1 m.10343	8	8	B2MVM3_SARSC Actin
Bodies	cds.comp147426_c0_seq1 m.50581	8	8	Q8N0N0_DERPT Group 14 allergen protein Flags: Fragment
Bodies	cds.comp37783_c0_seq1 m.9037	8	8	B7Q6Z1_IXOSC Saposin putative EC=3.4.23.40
Bodies	cds.comp79186_c0_seq1 m.18649	8	8	H9KR11_APIME Fructose-bisphosphate aldolase EC=4.1.2.13
Bodies	Der f 3.0101	8	1	Der f 3.0101
Bodies	Der f 22.0101	8	8	Der f 22.0101
Bodies	cds.comp103519_c0_seq1 m.29899	8	8	Q66RP5_TYRPU Fatty acid-biding protein
Bodies	cds.comp33654_c0_seq1 m.8020	8	8	A1YW13_DERFA Der f 1 allergen
Bodies	cds.comp99077_c0_seq1 m.25746	8	8	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
Bodies	cds.comp310_c0_seq1 m.148	8	8	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
Bodies	cds.comp107551_c0_seq1 m.33365	8	8	L7M7S5_9ACAR Putative dihydropteridine reductase dhpr/qdpr
Bodies	cds.comp14554_c0_seq1 m.3464	8	8	A0SHR2_AMBVA Protein disulfide isomerase EC=5.3.4.1
Bodies	cds.comp80633_c0_seq1 m.19033	8	8	R4G8F0_RHOPR Putative adenosine kinase
Bodies	cds.comp3629_c0_seq1 m.877	8	8	L7UZ91_DERFA Ferritin
Bodies	cds.comp45957_c0_seq1 m.11079	8	8	B7QMV1_IXOSC Elongation factor putative
Bodies	cds.comp58863_c0_seq1 m.14267	8	8	B7QC64_IXOSC Glutathione S-transferase kappa putative EC=2.5.1.18
Bodies	cds.comp104026_c0_seq1 m.30379	8	8	no hit
Bodies	cds.comp128015_c0_seq1 m.44536	8	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp99344_c0_seq1 m.26058	8	8	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
Bodies	Der f 8.0101	8	8	Der f 8.0101
Bodies	cds.comp51865_c0_seq1 m.12508	8	8	G6DFH3_DANPL Tubulin beta 2C
Bodies	cds.comp86984_c0_seq1 m.20365	7	7	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
Bodies	cds.comp39747_c0_seq1 m.9504	7	7	E7D199_LATHE Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
Bodies	cds.comp15303_c0_seq1 m.3655	7	6	G3ACU4_GLOMR Actin 5C/42A Flags: Fragment
Bodies	cds.comp117913_c0_seq1 m.39965	7	7	B7Q5N1_IXOSC Cuticle protein putative
Bodies	cds.comp99614_c0_seq1 m.26339	7	7	A1KXC1_DERFA DFP1
Bodies	cds.comp50051_c0_seq1 m.12079	7	7	B7QHI5_IXOSC Putative uncharacterized protein
Bodies	cds.comp67650_c0_seq1 m.16137	7	7	I4DKD3_PAPXU Malate dehydrogenase EC=1.1.1.37
Bodies	cds.comp99402_c0_seq1 m.26132	7	7	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
Bodies	cds.comp17779_c0_seq1 m.4228	7	7	A3EXM6_MACHI Putative 60 kDa heat shock protein Flags: Fragment
Bodies	cds.comp19576_c0_seq1 m.4639	7	7	Q3Y596_MACRS Superoxide dismutase EC=1.15.1.1
Bodies	cds.comp47365_c0_seq1 m.11413	7	7	B7P1Q2_IXOSC Myosin heavy chain skeletal muscle or cardiac muscle putative EC=1.3.1.74
Bodies	cds.comp121851_c0_seq1 m.41954	7	7	B7P3M8_IXOSC D-3-phosphoglycerate dehydrogenase putative EC=1.1.1.95 Flags: Fragment
Bodies	cds.comp102705_c0_seq1 m.28983	6	6	no hit
Bodies	cds.comp128012_c0_seq1 m.44522	6	4	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
Bodies	cds.comp19387_c0_seq1 m.4597	6	6	A8B8I1_DERFA Der f 5 allergen SubName: Full=Group 5 allergen
Bodies	cds.comp104985_c0_seq1 m.31342	6	6	no hit

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp96429_c0_seq1 m.23153	6	1	Q8MVU3_DERFA Gelsolin-like allergen Der f 16
Bodies	cds.comp44282_c0_seq1 m.10627	6	6	no hit
Bodies	Der f 6.0101	6	3	Der f 6.0101
Bodies	cds.comp14359_c0_seq1 m.3415	6	6	J7FXP5_LATHE Uncharacterized protein
Bodies	Der f 29.0101	6	4	Der f 29.0101
Bodies	cds.comp137944_c0_seq1 m.48198	6	6	B7PLR3_IXOSC Filamin-C putative EC=3.1.3.48
Bodies	cds.comp104770_c0_seq1 m.31149	6	6	B5DS37_DROPS GA27615
Bodies	cds.comp45557_c0_seq1 m.11005	6	6	no hit
Bodies	cds.comp52972_c0_seq1 m.12765	6	6	Q2XW13_RHIMP Glutathione peroxidase
Bodies	cds.comp6133_c0_seq1 m.1459	6	6	L7MAZ4_9ACAR Putative enoyl-coa hydratase
Bodies	cds.comp109979_c0_seq1 m.35071	6	6	Q95PA6_AEDAE Putative short-chain dehydrogenase/reductase Mc1
Bodies	cds.comp103689_c0_seq1 m.30038	6	6	E9HAY5_DAPPU Putative uncharacterized protein
Bodies	cds.comp113924_c0_seq1 m.37808	6	6	L7MGB9_9ACAR Putative aicar transformylase/imp cyclohydrolase/methylglyoxal synthase Flags: Fragment
Bodies	cds.comp30058_c0_seq1 m.7182	5	5	C6SUZ2_DROME AT15141p Flags: Fragment
Bodies	cds.comp42566_c0_seq1 m.10197	5	5	F4WWF5_ACREC Calreticulin Flags: Fragment
Bodies	cds.comp102933_c0_seq1 m.29262	5	5	no hit
Bodies	cds.comp149823_c0_seq1 m.51085	5	3	M4LIT4_COTVE Heat shock protein 70
Bodies	cds.comp99586_c0_seq1 m.26318	5	5	A1KY40_BLOTA Major abundant protein BTP1
Bodies	cds.comp39309_c0_seq1 m.9403	5	5	E2ABS8_CAMFO Lysosomal alpha-mannosidase

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp112368_c0_seq1 m.36667	5	2	Q155V8_DERFA Der f 6 Flags: Fragment
Bodies	cds.comp18583_c0_seq1 m.4424	5	4	Q7PX08_ANOGA AGAP001151-PA
Bodies	cds.comp149644_c0_seq1 m.51045	5	3	B7P8Q5_IXOSC Hsp70 putative EC=1.3.1.74 Flags: Fragment
Bodies	cds.comp99596_c0_seq1 m.26322	5	5	R4G324_RHOPR Putative succinyl-coa synthetase
Bodies	cds.comp124700_c0_seq1 m.43018	5	5	no hit
Bodies	cds.comp9364_c0_seq1 m.2253	5	5	E0VXD2_PEDHC Homogentisate 1 2-dioxygenase putative EC=1.13.11.5
Bodies	cds.comp22865_c0_seq1 m.5451	5	5	Q3V6S1_TACTR Cuticular protein
Bodies	cds.comp137687_c0_seq1 m.48124	5	5	A1KXC2_DERFA DFP2
Bodies	cds.comp76522_c0_seq1 m.18022	5	5	G6CVS9_DANPL Legumaturain
Bodies	cds.comp41289_c0_seq1 m.9905	5	5	Q4PN05_IXOSC Putative salivary protein SubName: Full=Secreted salivary gland peptide putative Flags: Fragment
Bodies	cds.comp112615_c0_seq1 m.36876	5	5	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
Bodies	cds.comp104760_c0_seq1 m.31142	5	5	E7D1V6_LATHE Putative uncharacterized protein
Bodies	cds.comp42564_c0_seq1 m.10196	5	5	G9BIX2_PACLE Calreticulin
Bodies	cds.comp134523_c0_seq1 m.47116	5	5	L7M765_9ACAR Dihydrolipoyl dehydrogenase EC=1.8.1.4
Bodies	cds.comp101651_c0_seq1 m.28113	5	5	B7PFX8_IXOSC Gamma-interferon inducible lysosomal thiol reductase putative
Bodies	cds.comp141315_c0_seq1 m.49177	5	5	B0W7T7_CULQU N(4)-(Beta-N-acetylglucosaminy)-L-asparaginase
Bodies	cds.comp189_c0_seq1 m.96	5	5	C0L8T6_9CRUS Glucose-6-phosphate isomerase EC=5.3.1.9
Bodies	cds.comp119406_c0_seq1 m.40745	4	4	A1KXC2_DERFA DFP2
Bodies	cds.comp108588_c0_seq1 m.34314	4	2	B3GW83_9CRUS Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp87855_c0_seq1 m.20561	4	4	G6CL91_DANPL Erythrocyte carbonic anhydrase
Bodies	cds.comp140939_c0_seq1 m.49098	4	4	Q178W0_AEDAE AAEL005752-PA
Bodies	Der f 28.0201	4	1	Der f 28.0201
Bodies	cds.comp38046_c0_seq1 m.9091	4	4	Q76FF7_DROYA Histone H2B Flags: Fragment
Bodies	cds.comp115285_c0_seq1 m.38533	4	4	Q17DM4_AEDAE AAEL004088-PC SubName: Full=AAEL004088-PD
Bodies	cds.comp55477_c0_seq1 m.13472	4	4	L7LYJ7_9ACAR Putative ceramidase
Bodies	cds.comp25511_c0_seq1 m.6088	4	2	L0GD06_BOMMO Glucose-regulated protein 78
Bodies	Der f 18.0101	4	4	Der f 18.0101
Bodies	cds.comp6656_c0_seq1 m.1592	4	4	L7MAK0_9ACAR Putative acetyl-coa hydrolase
Bodies	cds.comp12568_c0_seq1 m.2984	4	4	B7QC45_IXOSC Acetylcholinesterase putative EC=3.1.1.7 Flags: Fragment
Bodies	cds.comp107299_c0_seq1 m.33086	4	4	CYTL_TACTR L-cystatin Flags: Precursor
Bodies	cds.comp21912_c0_seq1 m.5218	4	4	E1AC54_POLVA Heat shock protein 60
Bodies	cds.comp55005_c0_seq1 m.13338	4	4	L7MGI2_9ACAR Putative gmp synthase Flags: Fragment
Bodies	cds.comp128011_c0_seq1 m.44520	4	0	B0W0V3_CULQU Cathepsin L
Bodies	cds.comp14638_c0_seq1 m.3488	4	4	B0W187_CULQU Myosin-2 heavy chain
Bodies	cds.comp96259_c0_seq1 m.23054	4	4	L7M2A4_9ACAR Putative alpha actinin
Bodies	cds.comp102395_c0_seq1 m.28705	4	4	L7M1L5_9ACAR Citrate synthase
Bodies	cds.comp362_c0_seq1 m.164	4	4	Q2YFE3_DERPT Glutathione transferase delta-like Dp7018E11
Bodies	cds.comp87378_c0_seq1 m.20461	4	4	A1KXH1_DERFA Der f 13 allergen

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp116972_c0_seq1 m.39383	4	4	Q28XY6_DROPS GA19673 isoform A SubName: Full=GA19673 isoform B
Bodies	cds.comp49033_c0_seq1 m.11823	4	4	B4JYL8_DROGR GH14320
Bodies	cds.comp34734_c0_seq1 m.8337	4	4	E2A1T0_CAMFO Cytosolic non-specific dipeptidase
Bodies	cds.comp36162_c0_seq1 m.8681	4	4	E9G305_DAPPU Putative leukotriene A4 hydrolase EC=3.3.2.6
Bodies	cds.comp66639_c0_seq1 m.15883	4	4	Q9GPH2_BOMMO Protein disulfide isomerase
Bodies	cds.comp38301_c0_seq1 m.9141	4	4	A1KXG9_BLOTA Blo t 13 allergen
Bodies	cds.comp99761_c0_seq1 m.26510	4	4	I4DM34_PAPPL Dusky
Bodies	cds.comp34132_c0_seq1 m.8162	4	4	no hit
Bodies	cds.comp128063_c0_seq1 m.44552	4	4	E2BBG1_HARSA Filamin-C
Bodies	cds.comp28822_c0_seq1 m.6914	4	4	L7M7G4_9ACAR Putative actin-binding cytoskeleton protein filamin
Bodies	cds.comp80632_c0_seq1 m.19031	4	4	Q1HQJ8_AEDAE AAEL001102-PA SubName: Full=Adenosine kinase
Bodies	cds.comp1875_c0_seq1 m.497	4	4	A5JM38_ARTSF SUMO-1-like protein
Bodies	cds.comp119707_c0_seq1 m.40876	4	4	R4G4X4_RHOPR Putative acid sphingomyelinase and phm5 phosphate metabolism protein
Bodies	cds.comp9679_c0_seq1 m.2330	4	4	E0VQN7_PEDHC Protein disulfide-isomerase A3 putative EC=2.4.1.119
Bodies	cds.comp50050_c0_seq1 m.12078	4	4	no hit
Bodies	cds.comp1606_c0_seq1 m.437	3	2	A2I458_MACHI Putative 14-3-3 protein
Bodies	cds.comp122328_c0_seq1 m.42160	3	3	no hit
Bodies	cds.comp32800_c0_seq1 m.7826	3	3	no hit
Bodies	cds.comp108589_c0_seq1 m.34315	3	1	B3GW83_9CRUS Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	Der f 21.0101	3	3	Der f 21.0101
Bodies	cds.comp30659_c0_seq1 m.7326	3	3	B7P8Q5_IXOSC Hsp70 putative EC=1.3.1.74 Flags: Fragment
Bodies	cds.comp10377_c0_seq1 m.2471	3	3	B7Q5N0_IXOSC Cuticle protein putative
Bodies	cds.comp13628_c0_seq1 m.3241	3	3	Q9XYC8_AEDAE AAEL005798-PA SubName: Full=Vacuolar ATPase B subunit
Bodies	Der f 33.0101	3	2	Der f 33.0101
Bodies	cds.comp101702_c0_seq1 m.28157	3	3	B4MQW3_DROWI GK21952
Bodies	cds.comp54893_c0_seq1 m.13297	3	3	F1CJ03_HOTJU Putative muscular protein Flags: Fragment
Bodies	cds.comp105078_c0_seq1 m.31445	3	3	L7MFU7_9ACAR Putative acetylcholinesterase/butyrylcholinesterase Flags: Fragment
Bodies	cds.comp130695_c0_seq1 m.45740	3	2	Q17KK5_AEDAE AAEL001668-PA
Bodies	cds.comp14471_c0_seq1 m.3445	3	3	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
Bodies	cds.comp127681_c0_seq1 m.44372	3	3	A1KXC1_DERFA DFP1
Bodies	cds.comp17781_c0_seq1 m.4231	3	3	B5DL96_DROPS GA22684
Bodies	cds.comp127765_c0_seq1 m.44399	3	3	A1KY40_BLOTA Major abundant protein BTP1
Bodies	cds.comp22137_c0_seq1 m.5272	3	3	I4DJK2_PAPXU Similar to CG7781
Bodies	cds.comp85702_c0_seq1 m.20075	3	3	Q5TRG5_ANOGA AGAP005728-PA
Bodies	cds.comp128009_c0_seq1 m.44514	3	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
Bodies	cds.comp104675_c0_seq1 m.31078	3	3	B7PFJ2_IXOSC Isocitrate dehydrogenase [NADP] EC=1.1.1.42
Bodies	cds.comp68921_c0_seq1 m.16406	3	3	no hit
Bodies	cds.comp42045_c0_seq1 m.10058	3	3	L7MAJ1_9ACAR Putative fumarase

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp106880_c0_seq1 m.32794	3	3	B4LJF4_DROVI GJ21531
Bodies	cds.comp22946_c0_seq1 m.5466	3	3	R4WR46_9HEMI Glutamine synthetase 2
Bodies	cds.comp38065_c0_seq1 m.9096	3	3	G3MRB8_9ACAR Adenosylhomocysteinase EC=3.3.1.1
Bodies	cds.comp112077_c0_seq1 m.36468	3	1	no hit
Bodies	cds.comp116431_c0_seq1 m.39099	3	3	L7LRY5_9ACAR Putative enoyl-coa isomerase
Bodies	cds.comp135947_c0_seq1 m.47575	3	3	B4NND9_DROWI GK22908
Bodies	cds.comp102931_c0_seq1 m.29253	3	3	no hit
Bodies	cds.comp68499_c0_seq1 m.16323	3	3	A5LHV9_HAELO Protein disulfide isomerase-2
Bodies	cds.comp11075_c0_seq1 m.2643	3	3	H9IVV5_BOMMO Ribose-phosphate pyrophosphokinase EC=2.7.6.1
Bodies	cds.comp108025_c0_seq1 m.33777	3	3	A1KYY1_9ACAR Sui m 1 allergen
Bodies	cds.comp151186_c0_seq1 m.51392	3	3	L7M384_9ACAR Putative biotinidase and vanin
Bodies	cds.comp57448_c0_seq1 m.13959	3	3	G6CKL7_DANPL V-type proton ATPase subunit E
Bodies	cds.comp106225_c0_seq1 m.32397	3	1	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
Bodies	cds.comp111232_c0_seq1 m.35846	3	3	no hit
Bodies	cds.comp25345_c0_seq1 m.6046	3	3	L7MAT5_9ACAR Putative succinyl-coa synthetase beta subunit
Bodies	cds.comp140949_c0_seq1 m.49107	3	3	no hit
Bodies	cds.comp46831_c0_seq1 m.11287	3	3	B4XT43_9ARAC Myosin II regulatory light chain
Bodies	cds.comp6380_c0_seq1 m.1517	3	3	R4G483_RHOPR Putative radixin length
Bodies	cds.comp63089_c0_seq1 m.15074	3	3	B3TFG6_9ACAR Esterase TCE1

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp78678_c0_seq1 m.18518	3	3	no hit
Bodies	cds.comp61962_c0_seq1 m.14848	3	3	CYT_CHIJI Cystatin JZTX-75 Flags: Precursor
Bodies	cds.comp149778_c0_seq1 m.51069	3	3	A1KXC1_DERFA DFP1
Bodies	cds.comp581_c0_seq1 m.236	3	3	Q7PQ97_ANOGA AGAP004394-PA
Bodies	cds.comp53498_c0_seq1 m.12903	3	3	R4UV70_COPFO Ribosomal protein P1-like protein
Bodies	cds.comp116462_c0_seq1 m.39120	3	3	B5DYT7_DROPS GA26775
Bodies	cds.comp151211_c0_seq1 m.51394	3	3	no hit
Bodies	cds.comp107643_c0_seq1 m.33453	2	2	D3TS01_GLOMM Nucleoside diphosphate kinase
Bodies	cds.comp117218_c0_seq1 m.39499	2	2	A5XB12_PENMO ALG-2 interacting protein x
Bodies	cds.comp127406_c0_seq1 m.44189	2	2	F4WF28_ACREC Haloacid dehalogenase-like hydrolase domain-containing protein 2
Bodies	cds.comp25024_c0_seq1 m.5969	2	2	B7QM86_IXOSC Talin putative
Bodies	cds.comp2290_c0_seq1 m.594	2	2	no hit
Bodies	cds.comp75507_c0_seq1 m.17783	2	2	G6CJ88_DANPL Pyruvate kinase EC=2.7.1.40
Bodies	cds.comp107744_c0_seq1 m.33523	2	2	D2A452_TRICA Cytochrome b-c1 complex subunit 6 AltName: Full=Complex III subunit 6 AltName: Full=Mitochondrial hinge protein
Bodies	cds.comp77584_c0_seq1 m.18263	2	2	B3LWF9_DROAN GF18656
Bodies	cds.comp30433_c0_seq1 m.7259	2	2	L7LXU0_9ACAR Putative x globin
Bodies	cds.comp57443_c0_seq1 m.13958	2	2	D6WXI4_TRICA 40S ribosomal protein SA
Bodies	cds.comp1846_c0_seq1 m.491	2	2	A1KYY2_9ACAR Profilin
Bodies	cds.comp28277_c0_seq1 m.6791	2	2	L7M3U4_9ACAR Putative macrophage migration inhibitory factor

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp76346_c0_seq1 m.17980	2	2	B7PDK2_IXOSC Cuticular protein putative
Bodies	cds.comp49462_c0_seq1 m.11922	2	2	B4MNQ5_DROWI GK19626
Bodies	cds.comp77177_c0_seq1 m.18163	2	2	B4J0R3_DROGR GH17138
Bodies	cds.comp32709_c0_seq1 m.7805	2	2	B4NE95_DROWI GK25335
Bodies	cds.comp55771_c0_seq1 m.13546	2	0	A1KXG2_DERFA Peptidyl-prolyl cis-trans isomerase EC=5.2.1.8
Bodies	cds.comp115284_c0_seq1 m.38532	2	2	Q7PF06_ANOGA AGAP011050-PA
Bodies	cds.comp106224_c0_seq1 m.32394	2	0	Q291S9_DROPS GA20753 EC=3.2.1.-
Bodies	cds.comp150229_c0_seq1 m.51182	2	2	no hit
Bodies	cds.comp112078_c0_seq1 m.36473	2	0	no hit
Bodies	cds.comp128365_c0_seq1 m.44774	2	2	Q52NW5_9DIPT Serine protease
Bodies	cds.comp34529_c0_seq1 m.8271	2	2	L7LWG4_9ACAR Putative hu li tai shao
Bodies	cds.comp115994_c0_seq1 m.38953	2	2	A7UUE6_ANOGA AGAP006584-PA
Bodies	cds.comp105193_c0_seq1 m.31579	2	2	D6X0G1_TRICA Elongation factor Tu
Bodies	cds.comp8003_c0_seq1 m.1913	2	2	no hit
Bodies	cds.comp104556_c0_seq1 m.30964	2	2	B7PXP4_IXOSC Hsp70 putative EC=1.3.1.74 Flags: Fragment
Bodies	cds.comp105191_c0_seq1 m.31572	2	2	L7M0B5_9ACAR Putative beta-glucocerebrosidase
Bodies	cds.comp79176_c0_seq1 m.18648	2	2	R4G8W4_RHOPR Putative actin filament-coating protein tropomyosin Flags: Fragment
Bodies	cds.comp123704_c0_seq1 m.42635	2	2	B4MSV2_DROWI GK20039
Bodies	cds.comp96367_c0_seq1 m.23125	2	2	Q177R1_AEDAE Proteasome subunit alpha type EC=3.4.25.1

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp99847_c0_seq1 m.26611	2	2	E0VS60_PEDHC Alcohol dehydrogenase putative EC=1.1.1.100
Bodies	cds.comp96075_c0_seq1 m.22827	2	2	Q5TQ02_ANOGA AGAP011457-PA Flags: Fragment
Bodies	cds.comp12516_c0_seq1 m.2968	2	2	B7QH76_IXOSC Secreted protein putative
Bodies	cds.comp107755_c0_seq1 m.33525	2	2	B4JX76_DROGR GH17897
Bodies	cds.comp101173_c0_seq1 m.27872	2	2	L7M7I7_9ACAR Putative alkyl hydroperoxide reductase thiol specific antioxidant
Bodies	cds.comp11593_c0_seq1 m.2746	2	2	R4FNB7_RHOPR Putative short-chain alcohol dehydrogenase/3-hydroxyacyl-coa dehydrogenase
Bodies	cds.comp112135_c0_seq1 m.36520	2	2	B7Q5M9_IXOSC Cuticle protein putative
Bodies	cds.comp56907_c0_seq1 m.13817	2	2	R4I416_BACDO Phosphoglucose isomerase
Bodies	cds.comp87133_c0_seq1 m.20405	2	2	B7P0M7_IXOSC Aldehyde dehydrogenase putative EC=1.5.1.12 Flags: Fragment
Bodies	cds.comp128063_c0_seq1 m.44553	2	2	E2BBG1_HARSA Filamin-C
Bodies	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
Bodies	cds.comp7534_c0_seq1 m.1813	2	2	no hit
Bodies	cds.comp4245_c0_seq1 m.1004	2	2	Q4GXQ8_9COLE Ribosomal protein S15e
Bodies	cds.comp17156_c0_seq1 m.4102	2	2	Q2YFF0_SARSC Glutathione transferase mu class Yv5004H11
Bodies	cds.comp21084_c0_seq1 m.5045	2	2	no hit
Bodies	cds.comp24266_c0_seq1 m.5821	2	2	no hit
Bodies	cds.comp122845_c0_seq1 m.42301	2	2	no hit
Bodies	cds.comp127085_c0_seq1 m.44018	2	2	A1KY40_BLOTA Major abundant protein BTP1
Bodies	cds.comp14123_c0_seq1 m.3349	2	2	E0VQP6_PEDHC Leukotriene A-4 hydrolase putative EC=3.3.2.6

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp17033_c0_seq1 m.4072	2	2	Q7QKK7_ANOGA AGAP003261-PA
Bodies	cds.comp104812_c0_seq1 m.31219	2	2	no hit
Bodies	Der f 27.0101	2	2	Der f 27.0101
Bodies	cds.comp30657_c0_seq1 m.7324	2	2	I1ZE45_DERFA Heat shock protein cognate 5 Flags: Fragment
Bodies	cds.comp21541_c0_seq1 m.5129	2	2	B7P8F8_IXOSC cAMP-dependent protein kinase type I-beta regulatory subunit putative EC=2.7.10.2 Flags: Fragment
Bodies	cds.comp33701_c0_seq1 m.8037	2	2	B4YTT9_9ACAR Heat shock protein 70-2
Bodies	cds.comp30656_c0_seq1 m.7323	2	2	I1ZE46_9ACAR Heat shock protein cognate 5 Flags: Fragment
Bodies	cds.comp99177_c0_seq1 m.25924	2	2	L7M7J5_9ACAR Putative 20s proteasome regulatory subunit beta type psmb1/pre7
Bodies	cds.comp19800_c0_seq1 m.4709	2	2	F0JA41_AMBVA Na ⁺ /K ⁺ ATPase beta subunit
Bodies	cds.comp59092_c0_seq1 m.14316	2	2	A9QQ40_LYCSI 60s ribosomal protein L14
Bodies	cds.comp102099_c0_seq1 m.28494	2	2	no hit
Bodies	cds.comp59259_c0_seq1 m.14338	2	2	Q09JT7_ARGMO Ca ²⁺ calmodulin dependent protein kinase EF-Hand protein superfamily
Bodies	cds.comp96119_c0_seq1 m.22871	2	2	A9QQ87_LYCSI 40S ribosomal protein S7
Bodies	cds.comp38513_c0_seq1 m.9200	2	2	K7IPQ8_NASVI Proteasome subunit beta type EC=3.4.25.1
Bodies	cds.comp108516_c0_seq1 m.34242	2	2	E0VLF6_PEDHC Spectrin beta chain putative EC=3.1.3.48
Bodies	cds.comp93681_c0_seq1 m.21819	2	2	B7QE79_IXOSC Vesicle coat complex COPII subunit SFB3 putative
Bodies	cds.comp97982_c0_seq1 m.24536	2	2	E2BH78_HARSA Phosphatidylinositol-specific phospholipase C X domain-containing protein 1
Bodies	cds.comp109890_c0_seq1 m.35037	2	2	B7QAN4_IXOSC Sorbitol dehydrogenase putative EC=1.1.1.14
Bodies	cds.comp124493_c0_seq1 m.42940	2	2	G6DI61_DANPL Phosphoglycerate kinase EC=2.7.2.3

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp139146_c0_seq1 m.48562	2	2	G0WRZ9_RHIMP Papilin Flags: Fragment
Bodies	cds.comp56910_c0_seq1 m.13818	2	2	Q28Y79_DROPS Glucose-6-phosphate isomerase EC=5.3.1.9
Bodies	cds.comp63052_c0_seq1 m.15063	2	2	E9HAK9_DAPPU Lamin-like protein
Bodies	cds.comp3663_c0_seq1 m.888	2	2	L7M3W8_9ACAR Putative tetraspanin-like protein
Bodies	cds.comp77670_c0_seq1 m.18275	2	2	Q17M31_AEDAE AAEL001154-PA
Bodies	cds.comp39114_c0_seq1 m.9358	2	2	L7M493_9ACAR Putative complement component 1 q subcomponent binding protein/mrna splicing factor sf2 subunit p32
Bodies	cds.comp57406_c0_seq1 m.13946	2	2	Q8IMI0_DROME CG2246 isoform B EC=2.7.6.1 SubName: Full=CG2246 isoform G EC=2.7.6.1 SubName: Full=LD38861p SubName: Full=LP08261p
Bodies	cds.comp75006_c0_seq1 m.17679	2	1	B4GMN3_DROPE GL12416
Bodies	cds.comp60010_c0_seq1 m.14481	2	2	D3TSB1_GLOMM Isocitrate dehydrogenase alpha subunit
Bodies	cds.comp57442_c0_seq1 m.13956	2	2	E7D1C2_LATHE Putative ribosomal protein SA Flags: Fragment
Bodies	cds.comp108798_c0_seq1 m.34424	2	2	G6CUI4_DANPL Molting fluid carboxypeptidase A
Bodies	cds.comp50907_c0_seq1 m.12297	2	2	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
Bodies	cds.comp2620_c0_seq1 m.671	2	2	B7QCR3_IXOSC Transmembrane protein putative
Bodies	cds.comp33705_c0_seq1 m.8040	2	2	Q1HR69_AEDAE AAEL017349-PA SubName: Full=Heat shock cognate 70
Bodies	cds.comp121567_c0_seq1 m.41816	2	2	F5HL86_ANOGA AGAP003513-PB
Bodies	cds.comp76298_c0_seq1 m.17965	2	2	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
Bodies	cds.comp62940_c0_seq1 m.15039	2	2	L7MAC6_9ACAR Putative glutamate/leucine/phenylalanine/valine dehydrogenase
Bodies	cds.comp103358_c0_seq1 m.29778	2	2	C4WUM8_ACYPI ACYPI003308 protein SubName: Full=Uncharacterized protein
Bodies	cds.comp127448_c0_seq1 m.44236	2	2	Q2F5T3_BOMMO ATP synthase subunit alpha

Bodies/feces	Accession	#Peptides	#Unique	Description
Bodies	cds.comp103865_c0_seq1 m.30178	2	2	A9QQA8_LYCSI 40S ribosomal protein S5
Bodies	cds.comp138036_c0_seq1 m.48231	2	2	C1BTI7_9MAXI Fructose-bisphosphate aldolase
Bodies	cds.comp72358_c0_seq1 m.17098	2	2	L7M0S7_9ACAR Pyrroline-5-carboxylate reductase EC=1.5.1.2
Feces	Der f 1.0107	44	0	Der f 1.0107
Feces	Der f 1.0106	38	1	Der f 1.0106
Feces	Der f 1.0105	38	0	Der f 1.0105
Feces	Der f 15.0101	29	3	Der f 15.0101
Feces	cds.comp55138_c0_seq1 m.13375	27	1	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
Feces	cds.comp101423_c0_seq1 m.28025	23	6	A1KXH3_DERFA Der f 3 allergen
Feces	cds.comp114970_c0_seq1 m.38343	23	23	Der f 36
Feces	cds.comp7296_c0_seq1 m.1765	22	22	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
Feces	cds.comp100364_c0_seq1 m.27163	22	22	Q8MRY3_DROME SD13780p
Feces	Der f 4.0101	22	22	Der f 4.0101
Feces	Der f 2.0103	21	4	Der f 2.0103
Feces	cds.comp80154_c0_seq1 m.18914	20	20	Der f 35
Feces	cds.comp7297_c0_seq1 m.1766	18	17	E2A599_CAMFO Lysosomal alpha-glucosidase
Feces	Der f 2.0102	18	0	Der f 2.0102
Feces	Der f 3.0101	18	1	Der f 3.0101
Feces	cds.comp140939_c0_seq1 m.49097	13	13	Q5TS83_ANOGA AGAP008584-PA

Bodies/feces	Accession	#Peptides	#Unique	Description
Feces	cds.comp128016_c0_seq1 m.44537	12	4	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
Feces	cds.comp99077_c0_seq1 m.25746	12	12	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
Feces	Der f 2.0116	12	0	Der f 2.0116
Feces	Der f 6.0101	12	7	Der f 6.0101
Feces	cds.comp128009_c0_seq1 m.44514	11	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
Feces	cds.comp128012_c0_seq1 m.44522	11	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
Feces	cds.comp104802_c0_seq1 m.31198	11	11	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
Feces	cds.comp83879_c0_seq1 m.19673	11	11	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
Feces	cds.comp39311_c0_seq1 m.9404	9	9	F4W8Y5_ACREC Lysosomal alpha-mannosidase
Feces	cds.comp14471_c0_seq1 m.3445	9	9	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
Feces	cds.comp108273_c0_seq1 m.34021	9	9	Q0KKA6_HAELO Leucine aminopeptidase
Feces	cds.comp101651_c0_seq1 m.28113	9	9	B7PFX8_IXOSC Gamma-interferon inducible lysosomal thiol reductase putative
Feces	cds.comp128015_c0_seq1 m.44536	9	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
Feces	cds.comp112367_c0_seq1 m.36666	9	4	Q155V8_DERFA Der f 6 Flags: Fragment
Feces	cds.comp103780_c0_seq1 m.30108	7	7	no hit
Feces	cds.comp104556_c0_seq1 m.30964	7	7	B7PXP4_IXOSC Hsp70 putative EC=1.3.1.74 Flags: Fragment
Feces	Der f 2.0109	7	0	Der f 2.0109
Feces	Der f 18.0101	7	7	Der f 18.0101
Feces	cds.comp131650_c0_seq1 m.46115	6	6	no hit

Bodies/feces	Accession	#Peptides	#Unique	Description
Feces	cds.comp39309_c0_seq1 m.9403	6	6	E2ABS8_CAMFO Lysosomal alpha-mannosidase
Feces	cds.comp140939_c0_seq1 m.49098	6	6	Q178W0_AEDAE AAEL005752-PA
Feces	cds.comp15838_c0_seq1 m.3755	6	6	B4R043_DROSI GD21438
Feces	cds.comp151186_c0_seq1 m.51392	6	6	L7M384_9ACAR Putative biotinidase and vanin
Feces	cds.comp98584_c0_seq1 m.25201	6	6	no hit
Feces	cds.comp33654_c0_seq1 m.8020	6	6	A1YW13_DERFA Der f 1 allergen
Feces	Der f 22.0101	6	6	Der f 22.0101
Feces	cds.comp76522_c0_seq1 m.18022	5	5	G6CVS9_DANPL Legumaturain
Feces	cds.comp108798_c0_seq1 m.34424	5	5	G6CUI4_DANPL Molting fluid carboxypeptidase A
Feces	cds.comp25511_c0_seq1 m.6088	5	3	L0GD06_BOMMO Glucose-regulated protein 78
Feces	cds.comp103306_c0_seq1 m.29699	4	4	B7P417_IXOSC Peritrophic membrane chitin binding protein putative
Feces	cds.comp50907_c0_seq1 m.12297	4	4	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
Feces	cds.comp103285_c0_seq1 m.29677	4	4	A1KXG7_DERFA Der f 7 allergen
Feces	cds.comp106225_c0_seq1 m.32397	4	2	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
Feces	cds.comp151211_c0_seq1 m.51394	4	4	no hit
Feces	Der f 28.0101	4	2	Der f 28.0101
Feces	Der f 27.0101	4	4	Der f 27.0101
Feces	cds.comp149823_c0_seq1 m.51085	3	1	M4LIT4_COTVE Heat shock protein 70
Feces	cds.comp103689_c0_seq1 m.30038	3	3	E9HAY5_DAPPU Putative uncharacterized protein

Bodies/feces	Accession	#Peptides	#Unique	Description
Feces	cds.comp106224_c0_seq1 m.32394	3	1	Q291S9_DROPS GA20753 EC=3.2.1.-
Feces	cds.comp104803_c0_seq1 m.31204	3	3	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
Feces	cds.comp122845_c0_seq1 m.42301	3	3	no hit
Feces	cds.comp97297_c0_seq1 m.24021	2	2	no hit
Feces	cds.comp40810_c0_seq1 m.9786	2	2	no hit
Feces	cds.comp119707_c0_seq1 m.40876	2	2	R4G4X4_RHOPR Putative acid sphingomyelinase and phm5 phosphate metabolism protein
Feces	cds.comp73688_c0_seq1 m.17401	2	2	B7PXR0_IXOSC Elongation factor Tu Flags: Fragment
Feces	cds.comp91035_c0_seq1 m.21227	2	2	B3NH03_DROER GG13891
Feces	cds.comp102099_c0_seq1 m.28494	2	2	no hit
Feces	cds.comp105191_c0_seq1 m.31572	2	2	L7M0B5_9ACAR Putative beta-glucocerebrosidase
Feces	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
Feces	cds.comp135557_c0_seq1 m.47461	2	2	B7QML9_IXOSC Lipase putative EC=3.1.1.3 Flags: Fragment
Feces	cds.comp107299_c0_seq1 m.33086	2	2	CYTL_TACTR L-cystatin Flags: Precursor
Feces	cds.comp111232_c0_seq1 m.35846	2	2	no hit
Feces	cds.comp113240_c0_seq1 m.37386	2	1	Q8ISH5_ARAVE Chitinase
Feces	cds.comp7534_c0_seq1 m.1813	2	2	no hit
Feces	cds.comp115994_c0_seq1 m.38953	2	2	A7UUE6_ANOGA AGAP006584-PA
Feces	cds.comp96190_c0_seq1 m.22957	2	2	no hit
Feces	cds.comp127515_c0_seq1 m.44304	2	1	E0V9V3_PEDHC Alpha glucosidase putative EC=3.2.1.3

Bodies/feces	Accession	#Peptides	#Unique	Description
Feces	cds.comp106751_c0_seq1 m.32734	2	2	no hit
Feces	cds.comp96086_c0_seq1 m.22836	2	2	Q09JE3_ARGMO Superoxide dismutase [Cu-Zn] EC=1.15.1.1
Feces	cds.comp8003_c0_seq1 m.1913	2	2	no hit
Feces	cds.comp119370_c0_seq1 m.40727	2	2	L7MIP8_9ACAR Putative beta-lactamase Flags: Fragment
Feces	cds.comp119114_c0_seq1 m.40635	2	2	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
Feces	Der f 28.0201	2	0	Der f 28.0201
Feces	Der f 25.0201	2	2	Der f 25.0201

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp31381_c0_seq1 m.60541	38	5	G6DI19_DANPL Putative cuticle protein CPH35
bodies	cds.comp48395_c0_seq1 m.90885	38	3	Q8N0N0_DERPT Group 14 allergen protein Flags: Fragment
bodies	cds.comp31379_c0_seq1 m.60537	37	4	I4DIE5_PAPXU Cuticular protein PxutCPG13
bodies	Der p 14.0101	35	0	Der p 14.0101
bodies	cds.comp116084_c0_seq1 m.195549	20	3	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
bodies	Der p 1.0115	19	0	Der p 1.0115
bodies	cds.comp35682_c0_seq1 m.69084	19	19	Q6Y2F9_DERPT HDM allergen
bodies	Der p 1.0108	18	0	Der p 1.0108
bodies	Der p 4.0101	18	18	Der p 4.0101
bodies	cds.comp70824_c0_seq1 m.129938	17	12	Q71SP3_HELZE Cytoplasmic actin A3a1 SubName: Full=Cytoplasmic actin A3b
bodies	cds.comp121128_c0_seq1 m.201850	16	16	A1KXC2_DERFA DFP2
bodies	Der p 1.0111	16	0	Der p 1.0111
bodies	cds.comp102701_c0_seq1 m.178171	16	8	A1KXC3_DERFA Arginine kinase
bodies	Der p 1.0112	15	0	Der p 1.0112
bodies	Der p 1.0103	15	0	Der p 1.0103
bodies	cds.comp25545_c0_seq1 m.49294	15	15	E9FZS8_DAPPU Myosin heavy chain isoform 3
bodies	cds.comp8426_c0_seq1 m.15013	14	14	G6DI19_DANPL Putative cuticle protein CPH35
bodies	Der p 1.0104	14	1	Der p 1.0104
bodies	cds.comp104308_c0_seq1 m.180148	14	14	B6E457_DERPT Tropomyosin

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp86986_c0_seq1 m.155830	13	13	no hit
bodies	cds.comp70793_c0_seq1 m.129873	13	8	B2MVM3_SARSC Actin
bodies	cds.comp58727_c0_seq1 m.109493	13	13	G9C5D5_SCHGR Fructose-bisphosphate aldolase EC=4.1.2.13
bodies	Der p 2.0106	12	0	Der p 2.0106
bodies	Der p 2.0107	12	0	Der p 2.0107
bodies	Der p 2.0105	12	0	Der p 2.0105
bodies	cds.comp23278_c0_seq1 m.44326	12	12	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
bodies	cds.comp72134_c0_seq1 m.132054	12	12	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
bodies	Der p 6.0101	12	12	Der p 6.0101
bodies	cds.comp117249_c0_seq1 m.197144	11	11	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
bodies	Der p 2.0102	11	0	Der p 2.0102
bodies	Der p 2.0103	11	0	Der p 2.0103
bodies	Der p 2.0109	11	0	Der p 2.0109
bodies	Der p 2.0104	11	0	Der p 2.0104
bodies	Der p 20.0101	11	2	Der p 20.0101
bodies	cds.comp92984_c0_seq1 m.165212	11	11	R4V1A4_COPFO Enolase
bodies	cds.comp8048_c0_seq1 m.14323	11	5	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
bodies	Der p 2.0113	10	0	Der p 2.0113
bodies	Der p 2.0111	10	0	Der p 2.0111

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	Der p 2.0112	10	0	Der p 2.0112
bodies	cds.comp74726_c0_seq1 m.136742	10	10	A1KXG7_DERFA Der f 7 allergen
bodies	cds.comp63345_c0_seq1 m.117493	10	10	I1ZCC6_DERFA Elongation factor 1-alpha Flags: Fragment
bodies	cds.comp134821_c0_seq1 m.213456	10	2	Q7Z163_DERPT Trypsin-like serine protease
bodies	cds.comp25516_c0_seq1 m.49092	9	6	B7P1Q2_IXOSC Myosin heavy chain skeletal muscle or cardiac muscle putative EC=1.3.1.74
bodies	cds.comp54535_c0_seq1 m.102040	9	9	A1KXH8_DERFA Der f Gal d 2 allergen
bodies	cds.comp17639_c0_seq1 m.32899	9	9	B7Q5N0_IXOSC Cuticle protein putative
bodies	cds.comp89996_c0_seq1 m.160636	9	9	B7QE46_IXOSC ATP synthase subunit beta EC=3.6.3.14
bodies	cds.comp57924_c0_seq1 m.107752	9	9	Q7PF06_ANOGA AGAP011050-PA
bodies	cds.comp136842_c0_seq1 m.214781	9	9	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
bodies	cds.comp122662_c0_seq1 m.203436	8	2	A1KY40_BLOTA Major abundant protein BTP1
bodies	cds.comp99064_c0_seq1 m.173024	8	8	A1KXC2_DERFA DFP2
bodies	cds.comp79146_c0_seq1 m.143353	8	2	A1KXC2_DERFA DFP2
bodies	cds.comp31214_c0_seq1 m.60174	8	5	A1KXC1_DERFA DFP1
bodies	cds.comp109184_c0_seq1 m.186519	8	2	no hit
bodies	cds.comp15419_c0_seq1 m.28597	8	8	Q16XV8_AEDAE AAEL008748-PA
bodies	Der p 9.0101	8	0	Der p 9.0101
bodies	cds.comp71098_c0_seq1 m.130257	8	7	B4YTT9_9ACAR Heat shock protein 70-2
bodies	cds.comp31219_c0_seq1 m.60181	7	0	A1KXC1_DERFA DFP1

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp112920_c0_seq1 m.190979	7	7	Der p 36
bodies	cds.comp109183_c0_seq1 m.186518	7	1	no hit
bodies	cds.comp8053_c0_seq1 m.14331	7	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
bodies	cds.comp35615_c0_seq1 m.68910	7	7	E1AC54_POLVA Heat shock protein 60
bodies	cds.comp39348_c0_seq1 m.74983	7	7	Q09JE3_ARGMO Superoxide dismutase [Cu-Zn] EC=1.15.1.1
bodies	cds.comp65555_c0_seq1 m.121353	7	7	B7QIG6_IXOSC Secreted salivary gland peptide putative
bodies	cds.comp136643_c0_seq1 m.214661	7	7	E2C2J9_HARSA Pancreatic triacylglycerol lipase
bodies	cds.comp110944_c0_seq1 m.188713	7	6	A1KXH7_DERFA Der f Alt a 10 allergen
bodies	cds.comp86167_c0_seq1 m.154658	6	6	R4FNL2_RHOPR Putative cathepsin b-like proteinase
bodies	cds.comp46754_c0_seq1 m.88321	6	5	B7Q8W6_IXOSC Alkyl hydroperoxide reductase thiol specific antioxidant putative EC=1.11.1.15
bodies	cds.comp8060_c0_seq1 m.14342	6	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
bodies	cds.comp2539_c0_seq1 m.3388	6	6	K0GG83_9HEMI Na+ K+ ATPase alpha-subunit 1
bodies	cds.comp4304_c0_seq1 m.6632	6	6	E2A599_CAMFO Lysosomal alpha-glucosidase
bodies	cds.comp103957_c0_seq1 m.179732	6	6	A1KXG2_DERFA Peptidyl-prolyl cis-trans isomerase EC=5.2.1.8
bodies	cds.comp32379_c0_seq1 m.62353	6	6	K7N8M7_HAELO Myosin alkali light chain protein
bodies	cds.comp94768_c0_seq1 m.167473	6	6	C1BS68_9MAXI 3-oxoacyl-acyl-carrier-protein reductase
bodies	cds.comp130814_c0_seq1 m.210670	6	6	G3MND0_9ACAR Aspartate aminotransferase EC=2.6.1.1
bodies	cds.comp122816_c0_seq1 m.203611	5	5	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
bodies	cds.comp102709_c0_seq1 m.178202	5	0	B2ZSY4_DERPT Der p 20 allergen

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp62311_c0_seq1 m.115826	5	5	B7Q0R0_IXOSC Phosphoglycerate mutase putative EC=5.4.2.1
bodies	cds.comp53542_c0_seq1 m.100389	5	5	G3MH40_9ACAR Malate dehydrogenase EC=1.1.1.37 Flags: Fragment
bodies	cds.comp11084_c0_seq1 m.19766	5	5	F4W8Y5_ACREC Lysosomal alpha-mannosidase
bodies	cds.comp9913_c0_seq1 m.17779	5	5	Q0KKA6_HAELO Leucine aminopeptidase
bodies	cds.comp129706_c0_seq1 m.209819	5	5	A1KY40_BLOTA Major abundant protein BTP1
bodies	cds.comp120513_c0_seq1 m.201013	5	5	L7MAA0_9ACAR ATP synthase subunit alpha
bodies	cds.comp25750_c0_seq1 m.49621	5	5	Q1HQT8_AEDAE AAEL007549-PA SubName: Full=Phosphatidylethanolamine-binding protein
bodies	cds.comp51043_c0_seq1 m.95888	5	5	PN16_PHONI U24-ctenitoxin-Pn1a Short=U24-CNTX-Pn1a AltName: Full=Venom protein PN16C3
bodies	cds.comp67054_c0_seq1 m.123503	5	4	F4WTV7_ACREC Heat shock 70 kDa protein cognate 4
bodies	cds.comp15332_c0_seq1 m.28429	5	5	Q2YFE4_DERPT Glutathione transferase mu class Dp7002H05
bodies	cds.comp18129_c0_seq1 m.33891	5	5	K7J833_NASVI Malate dehydrogenase EC=1.1.1.37
bodies	cds.comp39143_c0_seq1 m.74551	5	5	Q1M0Y2_BLOTA Blo t allergen
bodies	cds.comp107938_c0_seq1 m.184963	5	4	A7XZK3_9ACAR Aldehyde dehydrogenase
bodies	cds.comp28362_c0_seq1 m.54728	5	5	E2AB44_CAMFO Cuticlin-1
bodies	cds.comp142310_c0_seq1 m.217545	4	4	Q8MRY3_DROME SD13780p
bodies	cds.comp31224_c0_seq1 m.60185	4	0	A1KXC1_DERFA DFP1
bodies	cds.comp25527_c0_seq1 m.49141	4	1	B7P1Q2_IXOSC Myosin heavy chain skeletal muscle or cardiac muscle putative EC=1.3.1.74
bodies	cds.comp86199_c0_seq1 m.154685	4	4	no hit
bodies	cds.comp113441_c0_seq1 m.191645	4	4	F1CJ03_HOTJU Putative muscular protein Flags: Fragment

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp78002_c0_seq1 m.141751	4	4	A1KXC2_DERFA DFP2
bodies	cds.comp99232_c0_seq1 m.173247	4	4	Q8MVU3_DERFA Gelsolin-like allergen Der f 16
bodies	cds.comp123220_c0_seq1 m.204034	4	4	E2BBG1_HARSA Filamin-C
bodies	cds.comp115052_c0_seq1 m.194257	4	4	E2BBG1_HARSA Filamin-C
bodies	cds.comp82518_c0_seq1 m.148910	4	4	Q962I7_DERPT Ferritin
bodies	cds.comp98676_c0_seq1 m.172570	4	4	D7URK4_SARSC Myosin heavy chain Flags: Fragment
bodies	cds.comp71148_c0_seq1 m.130327	4	4	Q4JK71_DERPT Group 18 allergen protein
bodies	cds.comp142811_c0_seq1 m.217782	4	4	A7UNZ5_DERFA Der f 1 allergen
bodies	cds.comp37403_c0_seq1 m.71374	4	4	E2C8M6_HARSA Elongation factor 2
bodies	cds.comp74079_c0_seq1 m.135782	4	1	G9JKY3_BACDO Protein disulfide isomerase
bodies	cds.comp90815_c0_seq1 m.161796	4	4	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
bodies	Der p 8.0101	4	4	Der p 8.0101
bodies	cds.comp120601_c0_seq1 m.201099	4	4	Q17G61_AEDAE AAEL003193-PA
bodies	cds.comp148823_c0_seq1 m.219720	4	4	no hit
bodies	cds.comp123766_c0_seq1 m.204555	3	3	A1KY40_BLOTA Major abundant protein BTP1
bodies	cds.comp35892_c0_seq1 m.69332	3	3	B0G0U7_MONAT Beta1-tubulin
bodies	cds.comp112920_c0_seq1 m.190978	3	3	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
bodies	cds.comp100564_c0_seq1 m.175136	3	3	B7Q8U6_IXOSC Adenosine kinase putative EC=2.7.1.20
bodies	cds.comp74081_c0_seq1 m.135792	3	0	G9JKY3_BACDO Protein disulfide isomerase

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp93400_c0_seq1 m.165795	3	3	A1KXG9_BLOTA Blo t 13 allergen
bodies	cds.comp52875_c0_seq1 m.99307	3	3	A1KXC2_DERFA DFP2
bodies	cds.comp66329_c0_seq1 m.122478	3	3	B7Q6Z1_IXOSC Saposin putative EC=3.4.23.40
bodies	cds.comp19823_c0_seq1 m.36964	3	3	L7LXL4_9ACAR Inosine-5'-monophosphate dehydrogenase Short=IMP dehydrogenase Short=IMPD Short=IMPDH EC=1.1.1.205
bodies	cds.comp42815_c0_seq1 m.80900	3	3	H9K697_APIME Histone H4
bodies	cds.comp73673_c0_seq1 m.134961	3	3	G9BIX2_PACLE Calreticulin
bodies	cds.comp135080_c0_seq1 m.213643	3	3	no hit
bodies	cds.comp71109_c0_seq1 m.130285	3	3	A1KXC1_DERFA DFP1
bodies	cds.comp38721_c0_seq1 m.73534	3	3	B4XT43_9ARAC Myosin II regulatory light chain
bodies	cds.comp27063_c0_seq1 m.52228	3	3	no hit
bodies	cds.comp131296_c0_seq1 m.211134	3	3	no hit
bodies	cds.comp8071_c0_seq1 m.14356	3	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
bodies	cds.comp13825_c0_seq1 m.24963	3	3	O96938_CERCA Acidic ribosomal protein
bodies	cds.comp18202_c0_seq1 m.33963	3	3	B7QHI5_IXOSC Putative uncharacterized protein
bodies	cds.comp29245_c0_seq1 m.56272	3	3	R4WEH7_9HEMI Ornithine decarboxylase Flags: Fragment
bodies	cds.comp41848_c0_seq1 m.79332	3	3	no hit
bodies	cds.comp24833_c0_seq1 m.47844	3	3	no hit
bodies	cds.comp26722_c0_seq1 m.51415	3	3	G6D1V5_DANPL Putative lysosomal alpha-mannosidase
bodies	cds.comp2827_c0_seq1 m.3911	3	3	L7UZ91_DERFA Ferritin

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp30440_c0_seq1 m.58399	3	3	F0JA41_AMBVA Na+/K+ ATPase beta subunit
bodies	cds.comp103704_c0_seq1 m.179484	2	2	B7Q5N1_IXOSC Cuticle protein putative
bodies	cds.comp58673_c0_seq1 m.109408	2	2	A9QQ34_LYCSI Cysteine and glycine-rich protein
bodies	cds.comp58860_c0_seq1 m.109626	2	2	A0SHR2_AMBVA Protein disulfide isomerase EC=5.3.4.1
bodies	cds.comp23024_c0_seq1 m.43937	2	2	F1CJ03_HOTJU Putative muscular protein Flags: Fragment
bodies	cds.comp103380_c0_seq1 m.179115	2	2	L7MGB9_9ACAR Putative aicar transformylase/imp cyclohydrolase/methylglyoxal synthase Flags: Fragment
bodies	cds.comp141434_c0_seq1 m.217093	2	2	no hit
bodies	cds.comp61843_c0_seq1 m.114882	2	2	B7QAN4_IXOSC Sorbitol dehydrogenase putative EC=1.1.1.14
bodies	cds.comp101947_c0_seq1 m.176976	2	2	F1CJ08_HOTJU Hypothetical secreted protein
bodies	cds.comp125677_c0_seq1 m.206230	2	2	B7QH76_IXOSC Secreted protein putative
bodies	cds.comp71061_c0_seq1 m.130213	2	1	B4YTU0_9ACAR Heat shock protein 70-3
bodies	cds.comp123134_c0_seq1 m.203950	2	2	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
bodies	cds.comp21412_c0_seq1 m.40677	2	1	B4I114_DROSE GM12332
bodies	cds.comp21407_c0_seq1 m.40576	2	0	no hit
bodies	cds.comp107883_c0_seq1 m.184877	2	2	no hit
bodies	cds.comp11937_c0_seq1 m.21539	2	2	B4MPF1_DROWI GK21691
bodies	cds.comp89225_c0_seq1 m.159466	2	2	R4G5K4_RHOPR Putative adenosylcysteinase
bodies	cds.comp101223_c0_seq1 m.176139	2	2	Q7QIX6_ANOGA AGAP007120-PA
bodies	cds.comp83490_c0_seq1 m.150466	2	2	L7N6F8_DERPT Dust mite allergen Flags: Precursor

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp85485_c0_seq1 m.153656	2	1	E1ZZW6_CAMFO Heat shock 70 kDa protein cognate 4
bodies	cds.comp123877_c0_seq1 m.204692	2	2	E2BIZ1_HARSA 4-hydroxyphenylpyruvate dioxygenase
bodies	cds.comp125697_c0_seq1 m.206250	2	2	Q17PK8_AEDAE AAEL000317-PA
bodies	cds.comp53352_c0_seq1 m.100121	2	2	B7P242_IXOSC Glutathione S-transferase kappa putative
bodies	cds.comp124015_c0_seq1 m.204829	2	2	K7IPQ8_NASVI Proteasome subunit beta type EC=3.4.25.1
bodies	cds.comp114623_c0_seq1 m.193681	2	2	A1KXH6_DERFA Der f 8 allergen Flags: Fragment
bodies	cds.comp29495_c0_seq1 m.56671	2	2	L7M6D4_9ACAR Putative failed axon connections fax protein/glutathione s-transferase-like protein
bodies	cds.comp52873_c0_seq1 m.99306	2	2	A1KXC2_DERFA DFP2
bodies	cds.comp102913_c0_seq1 m.178487	2	2	Q8ISH5_ARAVE Chitinase
bodies	cds.comp74116_c0_seq1 m.135879	2	2	Q2YFF0_SARSC Glutathione transferase mu class Yv5004H11
bodies	cds.comp37378_c0_seq1 m.71331	2	2	L7M1Q0_9ACAR Putative 14-3-3 protein zeta multifunctional 14-3-3 family chaperone
bodies	cds.comp44453_c0_seq1 m.83958	2	2	R4G324_RHOPR Putative succinyl-coa synthetase
bodies	cds.comp92426_c0_seq1 m.164426	2	2	I1ZE47_DERPT Heat shock protein cognate 5 Flags: Fragment
bodies	cds.comp93425_c0_seq1 m.165849	2	2	F4WQI8_ACREC Actin-interacting protein 1
bodies	cds.comp116532_c0_seq1 m.196277	2	2	L7M765_9ACAR Dihydrolipoyl dehydrogenase EC=1.8.1.4
bodies	cds.comp102752_c0_seq1 m.178281	2	2	F1DFM4_LIBPU Projectin long variant Flags: Fragment
bodies	cds.comp78047_c0_seq1 m.141897	2	2	B4MGL9_DROVI GJ16068
bodies	cds.comp39659_c0_seq1 m.75583	2	2	Q2XW13_RHIMP Glutathione peroxidase
bodies	cds.comp49835_c0_seq1 m.93452	2	2	B7Q3I2_IXOSC Citrate synthase Flags: Fragment

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp102436_c0_seq1 m.177792	2	2	L7LZG6_9ACAR Putative nuclear transport factor-2
bodies	cds.comp123547_c0_seq1 m.204321	2	2	A1KY40_BLOTA Major abundant protein BTP1
bodies	cds.comp47522_c0_seq1 m.89360	2	2	A9QW25_CARMA Glycosyl-phosphatidylinositol-linked carbonic anhydrase EC=4.2.1.1
bodies	cds.comp81665_c0_seq1 m.147665	2	2	no hit
bodies	cds.comp116353_c0_seq1 m.196018	2	2	no hit
bodies	cds.comp77279_c0_seq1 m.140672	2	2	A9QQC2_LYCSI Cofilin
bodies	cds.comp27378_c0_seq1 m.52842	2	2	B5DS37_DROPS GA27615
bodies	cds.comp99743_c0_seq1 m.173941	2	2	no hit
bodies	cds.comp116361_c0_seq1 m.196024	2	2	B3LWF9_DROAN GF18656
bodies	cds.comp27523_c0_seq1 m.53169	2	2	B7Q5N2_IXOSC Cuticle protein putative
bodies	cds.comp7308_c0_seq1 m.12724	2	2	F0J8F6_AMBVA Metallopeptidase Flags: Fragment
bodies	cds.comp27661_c0_seq1 m.53356	2	2	E2BSG2_HARSA Aconitate hydratase mitochondrial Flags: Fragment
bodies	cds.comp119852_c0_seq1 m.200270	2	2	no hit
bodies	cds.comp65192_c0_seq1 m.120732	2	2	TBA_LEPDS Tubulin alpha chain AltName: Allergen=Lep d ?
bodies	cds.comp53422_c0_seq1 m.100213	2	2	B4PC03_DROYA GE11380
bodies	cds.comp116835_c0_seq1 m.196699	2	1	L7M7I7_9ACAR Putative alkyl hydroperoxide reductase thiol specific antioxidant
bodies	cds.comp125648_c0_seq1 m.206190	2	2	Q95P83_AMBAM Gamma-interferon inducible lysosomal thiol reductase Flags: Fragment
bodies	cds.comp8010_c0_seq1 m.14279	2	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
bodies	cds.comp140783_c0_seq1 m.216811	2	2	E1ZXQ0_CAMFO Putative uncharacterized protein

Bodies/feces	Accession	#Peptides	#Unique	Description
bodies	cds.comp115395_c0_seq1 m.194741	2	2	A6N9Y8_ORNPR 40S ribosomal protein S11
bodies	cds.comp70339_c0_seq1 m.129030	2	2	B7PYU7_IXOSC Calcium-binding protein putative Flags: Fragment
bodies	cds.comp37354_c0_seq1 m.71307	2	2	G3MN10_9ACAR Histone H2B
bodies	cds.comp33336_c0_seq1 m.64158	2	2	A8E4K0_9ACAR Troponin T
bodies	cds.comp35805_c0_seq1 m.69173	2	2	D2SNU8_HELVI Short-chain dehydrogenase
bodies	cds.comp110061_c0_seq1 m.187587	2	2	L7M4M3_9ACAR Putative enoyl-coa isomerase
bodies	cds.comp148912_c0_seq1 m.219748	2	2	Q17EW2_AEDAE AAEL003658-PA
bodies	cds.comp73546_c0_seq1 m.134459	2	2	Q9U1K7_DROME CG3939 SubName: Full=EG:140G11.5 protein SubName: Full=RH07711p
bodies	cds.comp96326_c0_seq1 m.169658	2	2	L0AT90_COPFO FK506-binding like protein
bodies	cds.comp25135_c0_seq1 m.48279	2	2	Q16ZT8_AEDAE AAEL008073-PA
bodies	cds.comp93450_c0_seq1 m.165864	2	2	E0VHS4_PEDHC 60S ribosomal protein L5 putative
feces	cds.comp116085_c0_seq1 m.195551	29	5	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
feces	Der p 1.0118	29	0	Der p 1.0118
feces	Der p 1.0102	28	0	Der p 1.0102
feces	Der p 1.0108	28	0	Der p 1.0108
feces	Der p 1.0124	27	0	Der p 1.0124
feces	Der p 1.0101	27	0	Der p 1.0101
feces	Der p 1.0103	26	1	Der p 1.0103
feces	Der p 1.0107	25	0	Der p 1.0107

Bodies/feces	Accession	#Peptides	#Unique	Description
feces	Der p 1.0111	23	0	Der p 1.0111
feces	cds.comp31388_c0_seq1 m.60552	22	22	G6DI19_DANPL Putative cuticle protein CPH35
feces	Der p 1.0112	21	0	Der p 1.0112
feces	Der p 1.0104	21	1	Der p 1.0104
feces	cds.comp86986_c0_seq1 m.155830	21	21	no hit
feces	Der p 6.0101	18	18	Der p 6.0101
feces	cds.comp72134_c0_seq1 m.132054	18	18	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
feces	Der p 2.0106	16	0	Der p 2.0106
feces	Der p 2.0113	16	0	Der p 2.0113
feces	Der p 2.0112	16	0	Der p 2.0112
feces	cds.comp4299_c0_seq1 m.6626	16	3	E2A599_CAMFO Lysosomal alpha-glucosidase
feces	Der p 2.0107	15	0	Der p 2.0107
feces	Der p 2.0105	15	0	Der p 2.0105
feces	Der p 2.0102	15	0	Der p 2.0102
feces	Der p 2.0103	15	0	Der p 2.0103
feces	Der p 2.0109	15	0	Der p 2.0109
feces	Der p 2.0104	15	0	Der p 2.0104
feces	Der p 2.0111	15	0	Der p 2.0111
feces	cds.comp86167_c0_seq1 m.154658	15	3	R4FNL2_RHOPR Putative cathepsin b-like proteinase

Bodies/feces	Accession	#Peptides	#Unique	Description
feces	Der p 4.0101	15	15	Der p 4.0101
feces	cds.comp117244_c0_seq1 m.197138	14	14	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
feces	cds.comp112920_c0_seq1 m.190979	14	12	Der p 36
feces	cds.comp86168_c0_seq1 m.154662	13	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
feces	cds.comp23278_c0_seq1 m.44326	13	13	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
feces	cds.comp134821_c0_seq1 m.213456	13	13	Q7Z163_DERPT Trypsin-like serine protease
feces	cds.comp86162_c0_seq1 m.154650	12	11	D6WGZ1_TRICA Cathepsin B
feces	cds.comp136643_c0_seq1 m.214661	12	12	E2C2J9_HARSA Pancreatic triacylglycerol lipase
feces	cds.comp57250_c0_seq1 m.106674	12	2	Q4JK69_DERPT Group 15 allergen protein short isoform
feces	Der p 15.0102	12	2	Der p 15.0102
feces	cds.comp4288_c0_seq1 m.6615	12	0	F4WH36_ACREC Lysosomal alpha-glucosidase
feces	cds.comp122816_c0_seq1 m.203611	11	11	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
feces	Der p 15.0101	11	1	Der p 15.0101
feces	cds.comp71148_c0_seq1 m.130327	9	9	Q4JK71_DERPT Group 18 allergen protein
feces	cds.comp83490_c0_seq1 m.150466	7	7	L7N6F8_DERPT Dust mite allergen Flags: Precursor
feces	cds.comp4304_c0_seq1 m.6632	7	6	E2A599_CAMFO Lysosomal alpha-glucosidase
feces	cds.comp8012_c0_seq1 m.14281	7	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
feces	cds.comp11084_c0_seq1 m.19766	7	7	F4W8Y5_ACREC Lysosomal alpha-mannosidase
feces	cds.comp26722_c0_seq1 m.51415	7	7	G6D1V5_DANPL Putative lysosomal alpha-mannosidase

Bodies/feces	Accession	#Peptides	#Unique	Description
feces	cds.comp8057_c0_seq1 m.14337	6	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
feces	cds.comp8071_c0_seq1 m.14356	6	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
feces	cds.comp128133_c0_seq1 m.208437	5	5	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
feces	cds.comp8014_c0_seq1 m.14284	5	3	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
feces	cds.comp112920_c0_seq1 m.190978	5	5	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
feces	cds.comp142310_c0_seq1 m.217545	4	4	Q8MRY3_DROME SD13780p
feces	cds.comp129013_c0_seq1 m.209205	4	4	B4JYH8_DROGR GH14296
feces	cds.comp27091_c0_seq1 m.52288	4	0	no hit
feces	cds.comp27090_c0_seq1 m.52286	4	0	no hit
feces	cds.comp67043_c0_seq1 m.123479	4	3	I3TBA6_CRYPU Heat shock protein 70
feces	cds.comp62837_c0_seq1 m.116676	4	4	A0NBF1_ANOGA AGAP007368-PA
feces	cds.comp11404_c0_seq1 m.20428	3	3	A5X5X4_DERFA Allergen SubName: Full=Group 22 allergen Der f 22
feces	cds.comp4302_c0_seq1 m.6630	3	1	E2A599_CAMFO Lysosomal alpha-glucosidase
feces	cds.comp11937_c0_seq1 m.21539	3	3	B4MPF1_DROWI GK21691
feces	cds.comp141434_c0_seq1 m.217093	3	3	no hit
feces	cds.comp15337_c0_seq1 m.28440	3	3	Q2YFE4_DERPT Glutathione transferase mu class Dp7002H05
feces	cds.comp112914_c0_seq1 m.190966	2	0	no hit
feces	cds.comp86983_c0_seq1 m.155817	2	2	no hit
feces	cds.comp41848_c0_seq1 m.79332	2	2	no hit

Bodies/feces	Accession	#Peptides	#Unique	Description
feces	cds.comp71097_c0_seq1 m.130255	2	1	B4YTT9_9ACAR Heat shock protein 70-2
feces	cds.comp8015_c0_seq1 m.14285	2	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
feces	cds.comp131296_c0_seq1 m.211134	2	2	no hit
feces	cds.comp114213_c0_seq1 m.193079	2	2	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
feces	cds.comp58995_c0_seq1 m.109762	2	2	E2BUA9_HARSA CD151 antigen
feces	cds.comp134947_c0_seq1 m.213562	2	2	E0VLI0_PEDHC Purple acid phosphatase putative
feces	cds.comp9920_c0_seq1 m.17791	2	2	Q0KKA6_HAELO Leucine aminopeptidase
feces	cds.comp17633_c0_seq1 m.32892	2	2	B7Q5N0_IXOSC Cuticle protein putative
feces	cds.comp70394_c0_seq1 m.129110	2	2	A1KXH8_DERFA Der f Gal d 2 allergen
feces	cds.comp125697_c0_seq1 m.206250	2	2	Q17PK8_AEDAE AAEL000317-PA
feces	cds.comp99743_c0_seq1 m.173941	2	2	no hit
feces	cds.comp25833_c0_seq1 m.49774	2	2	no hit

Organism	Name	Accession number	Protein family	Complete/Partial	% identity (pairwise)	Sequence
<i>D. farinae</i>	Der p 5-like	MF346040	Unknown	Partial	96.7% (Der p 5.0101)	VVCVSGEPKKHDYQNEFDLLMQRIHEQMRKGEEALLHLQHQINTFEE NPTKEMKEQILGEMDTIALLIDGVRGVLNRLMKRTDLDIFERYNVEIALKS NEILERDLKKEEQVRVKKIEV
<i>D. farinae</i>	Der p 9-like	MF346041	Collagenolytic serine protease	Partial	84.5% (Der p 9.0102) 96.9% (AIO08869)	MKFATIFVLIAGTSVVIGDHSEEQAIRLPLPKAINERFPWMINEPITNGE RIVGGENASPGDAIYQIALLRKDSFTCGGSLISSRTVLAAHCVFGEA SPSYFKIRYNTLDRGTNGPTIGVSKIYRHSLSSTTIDYDVATLILSEPFTP SANADIISL
<i>D. farinae</i>	Der p 23-like	MF346042	Peritrophin-like protein	Partial	84% (Der p 23.0101)	EQPEDEFECPTRFGYFADPKDPCKFYICSNWEAIHKSCPGNTRWNEK ELTC
<i>D. pteronyssinus</i>	Der f 16-like	MF346043	Gelsolin/villin	Partial	89.8% (Der f 16.0101)	IWRVKQFELVPVPKEEYGKFYKGDYVICCTDPTGGHSMESKPILN GHGYCHIHYWIGSESTKDEAGVAAIKSVELDDFLGGYPVQHREIEEFES RQFSSYFKDGIYLLKGGYESGFTKMIDELKPTLLHVKGKKRPVYECPAI SWKSMNDGDVFILIVPKFIFVWTGKHSNRMERTTAIRVANDLKSQNLNRF KLSTVILEDGKEVEQTSGAEYDAFNKALPLDKQDSDLKKLPKGYDYAAC DIKFEKHRSFVTLYKCFEGTETIDISFVKNGLTRKDLDNTDFIVENG SEGLWVWVGKKATQKERQSAIKYAMELINKKKYPNNTPTVKVLEGET ADFKSLFESWQMTQEKEITSARLFRVSRNGIFKLVANYEQDDLEEDNV MILDAIDKIYVWIGNQFKERIADEKHVDILAERFIQEDKSGRKFQPNQILK IKQGSSEDAFYSYFPKWK
<i>D. pteronyssinus</i>	Der f 22-like	MF346044		Complete	71.8% (Der f 22.0101)	MFCFLKMNQHTACLALFCLIMMVAVQANDETENVQYKDCGHNEIKSLYL SGCNVHQKSCILHRHNKNQLRLGFVANENTGKTIKTRFICNLAGEVG WPGIDGTDACQGHGLSCPLTKGQSYNYNLDFSLGDDVPLVNVATVR LEDEQGGKLACARMHISLQA

Organism	Name	Accession number	Protein family	Complete/Partial	% identity (pairwise)	Sequence
<i>D. pteronyssinus</i>	Der f 25-like	MF346045	Triosephosphate isomerase	Complete	91.9% (Der f 25.0201)	MGRKFFVGGNWKMNCSRATNDDLIKILTNTPLDPNTEVVVGVPISIYLA DVRHKLSKSIGVAAQNCYKVAKGAFTEISPAKIDVGAEWVILGHSE RRNVFGENDQLIGEKEVEHALNEGLNVIACIGELFEEREAGKTTEVVFRQ TQVISKHVKDWSKVVLAYEPVWAIGTGKTASPQQAQEVHQQLRQWFS TNISPQIAETIRIIYGGSVTASNAKELASQADVDGFLVGGASLKPEFVQIV NARQ
<i>D. pteronyssinus</i>	Der f 26-like	MF346046	Myosin alkali light chain	Complete	93.1% (Der f 26.0101)	MADLRPPEVEKARLHFDIYDFEGQGVVDYHHLGDLLRSLDLRPTQEIV AKNGWEKKKGQKYMTEEFLLPIYSQVKKDKDCGAYEDLVEGLKVYDK AENGTMMEAELAHVLLSLGEKLDSEVEEIIKTCAGGCDDEGFIKYETFI KNVMAGPFPEEAGKS
<i>D. pteronyssinus</i>	Der f 27-like	MF346047	Serpin	Complete	71.2% (Der f 27.0101)	MKIFITSFVLMVMMAVTYAAHVGSLSRKPASAEGFAKASNDFGFLK QIVQHQSSSSSGSKNVLFSPYSVAVALSMVHQGSQGSTAEQFKRVLN YDQVSQLNNGEHQAVANSVKQLREQMTKSEHNKLEYGNMLVVDHKM PIKDEYRKTIQYYDGQVMSVDFPKESKNIMEQINQYISNKTHTGLDRML EQPPSSGTVLALINAVYFKGEWLKPFIPSNTVQGVFYDHHQGHYKNVE YMNAGEGPFGYAEIKQWNSDLIKMPYKGEDVAFYGILPRERNFDLSKIR QSLNSSYIDEIVGQINDDQSSTVYFPKIELSTSYELPEILKSMGIQDVFT SADLSGISGNKSMKIDEAIHKAKLIVNEQGTAAASTYIQIALMSSLENQ KFSVLIHFCLFVHQTTGQILFLGEIHN

Organism	Name	Accession number	Protein family	Complete/Partial	% identity (pairwise)	Sequence
<i>D. pteronyssinus</i>	Der f 28-like	MF346048	Heat Shock Protein	Complete	95.9% (Der f 28.0201)	MPSKTSKAPAIGIDLGTTYSCVGVFQNGSVEIANDQGNRTTPSYVAFT DTERLIGDAAKNQVAMNPANTIFDAKRLIGRRFDESSVKSDMKHWPFK VVSESGPKIEVEFKGEQKRFWPPEVSAMVLTMMKETAEAYLGQKVT DAVITVPAYFNDSQRQATKDAGVIAGLNLRIINEPTAAAIAYGLDKKGG GEKNVLIFDLGGGTFDVSFLTIDNGIFEVKSTAGDTHLGGEDFDNRLVN HFVQEFKRRKFGKDIMSNNKRALRRLRTACERAKRTLSSSTQTTIEIDSLH EGTDFYSTITRARFEELCSDLFRSTLEPVEKALRDAKLDKSKIDEIVLVG GSTRIPKIQKLLSDFFNGKELNKSINPDEAVAYGAAVQAAILTGDTSNNV KDLLLLDVAPLSLGIETAGGVMTTLIKRNTTIPTKQTQTFTTYADNQPAV TIQVYEGERAMTKDNNRLGTFDLTGIPPAPRGVPQIEVTFDVDANGILN VSAVDKSTGRQNKITITNDKGRLSKADIEKMVNEAEQYREEDERQRERI SAKNQLEAYAFQLKSTMEEEAISKLSSEDRKTVLNKVEETLRWLDSN QLADKEEYEHKQKELESACRPIMTKIYQQQQQQHPGAPGSNGSCGSN AYPGYGGFNSNNDGPVVEEVN
<i>D. pteronyssinus</i>	Der f 29-like	MF346049	Peptidyl-prolyl cis-trans isomerase (cyclophilin)	Complete	93.3% (Der f 29.0101)	MALPRVYFDVAADNQPLGRIVMELRSDVVPKTAENFRCLCTGEKGFGE KSSSFHRIIPNFMIIQGGDFTNHNGTGKSIYGNKFADENFTLQHTGPGI LSMANAGPNTNGSQFFLTTVKTSWLDGKHVVFGSVVDGMDIVKKIESY GSQSGKPSKKVTISDCGQL
<i>D. pteronyssinus</i>	Der f 30-like	MF346050	Ferritin	Complete	80.8% (Der f 30.0101)	MAANPESTTKTSRVRMNFHKECEAGINKQINLELYASYVYQQMAFHFN REDVALPGFEKFFHESSKEEREHAEKLMKLQNQRGGRIVLQDIPKPVQ QDWSSGLEALKASLELEKTVNQSLDLHDLATKHNDAAQFADFIESNYL HEQVEAIKKLADYITNLERCOSVGLGEYLFDRHTLQ
<i>D. pteronyssinus</i>	Der f 31-like	MF346051	Cofilin	Complete	100% (Der f 31.0101)	MASGVTVATEAKTLYEEVKKDKKYRYIIYHIKDERVIEVETTGPRTATYS DFVAKLQDYKNECRYCVDFFPANIPVEGGGKSNMSVDRLVLMTWCP ESAKIKQKMLYSSSYDALKKALVGVIYVQACDYEEASEEIAEAFRKG GK

Organism	Name	Accession number	Protein family	Complete/Partial	% identity (pairwise)	Sequence
<i>D. pteronyssinus</i>	Der f 32-like	MF346052	Secreted inorganic pyrophosphatase	Partial	91.9% (Der f 32.0101)	MVVEIPRWTNEKMEIATAEPMTPIKQDVKKGALRYVKNVFPHKGYIWN YGAFPQTWENPNHIDQGTKAKGDNDPIDVIEIGSRIAKRGDVIPVKILGTI ALIDEGETDWKIITIDTRDELAGQMNNVDDVEKLLPGLLRATVEWFRIYK IPDGKPANKFAFNGEAKDREFAEKVVEETHQYWREMMENKAGEHQLD LKNITLGNSYINDEQAKQFLETRPASNTVEPNPIADQVAIDKWHHVKLI
<i>D. pteronyssinus</i>	Der f 33-like	MF346053	Alpha-tubulin	Complete	93.3% (Der f 33.0101)	MRECISLHVGGAGVQIGNACWELCYLEHGIQPDGILSPIDSTTSTTESS LSSNDSFSTFFNETGSGHYVPRSIYVDLEPTVVDEVRTGEYRRLFHPE QLITGKEDAANNYARGHYTEGKALIEPVMQRIAKLAEQCSGLQGFLIFH SFGGGTGSGFSSLLMERLSVEYGKKSKEFAIYPAPAISTAVVEPYNSIL TTHNTLEHSDCSFMVDNEAIYDICRRNLNIERPLYMNLNRMIGQIVSSIT ASLRFDGALNVDLTFEQTNLVYPYRIHFPLVSYAPIVSSEKAYHEQFSV AEITGTCFEP SNQMVKCNTRNGKFMACCLLYRGDVPKENVAAIAIKA KRTIQFVDWCPTGFKIGINYRPPTVVPNGDQAKVQRAVCLLSNTTIAIE AWSRLNHKFDLMYSKRAVHWYVGEGMEEGEFSEAREDLAALERDY EEVAAEYNADDDDDHDQDGEEF
<i>D. pteronyssinus</i>	Der f 34-like	MF346054	Imine deaminase	Complete	77.3% (Der f 34.0101)	MSPRRILSTPLAPMPIGPYSAVQVGNQIYLSGQLGMNVRTGELLTESI QAEARQAFNNMKAVVESGGARMSDIVKLTIFIRDFNDFPTINDVMKEFF QSPFPARSTIGVASLPKNARIELECIAMIE
<i>D. pteronyssinus</i>	Der f 35-like	MF346055	MD-2-like	Complete	85.3% (Der f 35.0101)	MMKFLCIFALTFAVASAGKMKFIDCGHNEVKSLDVSGCEGDYCILHKGK TINLDMVCKSNQDSEHLKLVISADVNGIEIEVPGFDQDGCHYIQCPVHK GQQYDVKYSYTIPSVLPNIKANLTAKVTGDQGLLGCLKLQGEIAD

Spot number	Accession	#Peptides	#Unique	Description
1	Der f 15.0101	21	21	Der f 15.0101
1	cds.comp140939_c0_seq1 m.49098	7	7	Q178W0_AEDAE AAEL005752-PA
1	cds.comp102032_c0_seq1 m.28404	7	7	no hit
1	cds.comp32307_c0_seq1 m.7704	6	6	F4W8Y5_ACREC Lysosomal alpha-mannosidase
1	Der f 1.0104	4	4	Der f 1.0104
1	cds.comp7296_c0_seq1 m.1765	4	4	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
1	cds.comp32305_c0_seq1 m.7703	3	3	E2ABS8_CAMFO Lysosomal alpha-mannosidase
1	cds.comp140939_c0_seq1 m.49097	3	3	Q5TS83_ANOGA AGAP008584-PA
1	cds.comp113572_c0_seq1 m.37601	2	2	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
1	cds.comp10022_c0_seq1 m.2407	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
2	Der f 15.0101	20	20	Der f 15.0101
2	cds.comp140939_c0_seq1 m.49098	5	5	Q178W0_AEDAE AAEL005752-PA
2	Der f 1.0104	4	4	Der f 1.0104
2	cds.comp32305_c0_seq1 m.7703	3	3	E2ABS8_CAMFO Lysosomal alpha-mannosidase
2	cds.comp7296_c0_seq1 m.1765	3	3	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
2	cds.comp140939_c0_seq1 m.49097	3	3	Q5TS83_ANOGA AGAP008584-PA
2	cds.comp113572_c0_seq1 m.37601	2	2	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
2	cds.comp32307_c0_seq1 m.7704	2	2	F4W8Y5_ACREC Lysosomal alpha-mannosidase
2	cds.comp10022_c0_seq1 m.2407	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase

Spot number	Accession	#Peptides	#Unique	Description
2	cds.comp102032_c0_seq1 m.28404	2	2	no hit
3	Der f 15.0101	25	25	Der f 15.0101
3	cds.comp140939_c0_seq1 m.49098	7	7	Q178W0_AEDAE AAEL005752-PA
3	cds.comp32307_c0_seq1 m.7704	5	5	F4W8Y5_ACREC Lysosomal alpha-mannosidase
3	cds.comp7296_c0_seq1 m.1765	5	5	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
3	cds.comp140939_c0_seq1 m.49097	5	5	Q5TS83_ANOGA AGAP008584-PA
3	cds.comp10022_c0_seq1 m.2407	5	5	E2A599_CAMFO Lysosomal alpha-glucosidase
3	Der f 1.0104	4	4	Der f 1.0104
3	cds.comp102032_c0_seq1 m.28404	3	3	no hit
3	cds.comp113572_c0_seq1 m.37601	2	2	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
3	cds.comp32305_c0_seq1 m.7703	2	2	E2ABS8_CAMFO Lysosomal alpha-mannosidase
3	cds.comp113569_c0_seq1 m.37594	2	2	E1U339_9HEMI Prolyl-endylpeptidase Flags: Fragment
4	cds.comp140939_c0_seq1 m.49098	10	10	Q178W0_AEDAE AAEL005752-PA
4	cds.comp32307_c0_seq1 m.7704	7	7	F4W8Y5_ACREC Lysosomal alpha-mannosidase
4	cds.comp140939_c0_seq1 m.49097	7	7	Q5TS83_ANOGA AGAP008584-PA
4	cds.comp32305_c0_seq1 m.7703	4	4	E2ABS8_CAMFO Lysosomal alpha-mannosidase
4	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
5	cds.comp140939_c0_seq1 m.49098	10	10	Q178W0_AEDAE AAEL005752-PA
5	cds.comp140939_c0_seq1 m.49097	7	7	Q5TS83_ANOGA AGAP008584-PA

Spot number	Accession	#Peptides	#Unique	Description
5	cds.comp32307_c0_seq1 m.7704	6	6	F4W8Y5_ACREC Lysosomal alpha-mannosidase
5	cds.comp32305_c0_seq1 m.7703	4	4	E2ABS8_CAMFO Lysosomal alpha-mannosidase
5	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
6	cds.comp140939_c0_seq1 m.49098	10	10	Q178W0_AEDAE AAEL005752-PA
6	cds.comp140939_c0_seq1 m.49097	7	7	Q5TS83_ANOGA AGAP008584-PA
6	cds.comp32307_c0_seq1 m.7704	6	6	F4W8Y5_ACREC Lysosomal alpha-mannosidase
6	cds.comp32305_c0_seq1 m.7703	5	5	E2ABS8_CAMFO Lysosomal alpha-mannosidase
7	Der f 1.0104	7	7	Der f 1.0104
7	cds.comp10022_c0_seq1 m.2407	6	6	E2A599_CAMFO Lysosomal alpha-glucosidase
7	cds.comp85702_c0_seq1 m.20075	5	5	Q5TRG5_ANOGA AGAP005728-PA
7	cds.comp53900_c0_seq1 m.13006	4	1	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
7	cds.comp7296_c0_seq1 m.1765	3	3	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
7	Der f 15.0101	3	0	Der f 15.0101
7	cds.comp113572_c0_seq1 m.37601	2	2	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
7	cds.comp113569_c0_seq1 m.37594	2	2	E1U339_9HEMI Prolyl-endylpeptidase Flags: Fragment
8	Der f 1.0104	8	8	Der f 1.0104
8	Der f 15.0101	5	5	Der f 15.0101
8	cds.comp10022_c0_seq1 m.2407	4	4	E2A599_CAMFO Lysosomal alpha-glucosidase
8	cds.comp7296_c0_seq1 m.1765	3	3	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment

Spot number	Accession	#Peptides	#Unique	Description
8	cds.comp113572_c0_seq1 m.37601	2	2	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
8	cds.comp128012_c0_seq1 m.44522	1	1	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
8	cds.comp112368_c0_seq1 m.36667	1	1	Q155V8_DERFA Der f 6 Flags: Fragment
8	Der f 3.0101	1	1	Der f 3.0101
8	cds.comp77465_c0_seq1 m.18227	1	1	L7M6N0_9ACAR Putative eukaryotic translation initiation factor
8	cds.comp111232_c0_seq1 m.35846	1	1	no hit
8	cds.comp88935_c0_seq1 m.20801	0	0	B4L9W0_DROMO GI14170
8	cds.comp106051_c0_seq1 m.32245	0	0	L7M646_9ACAR Putative aconitase/aconitase aconitase superfamily
8	cds.comp154024_c0_seq1 m.51879	0	0	B7PN16_IXOSC Alpha-mannosidase putative EC=3.2.1.113
8	cds.comp113639_c0_seq1 m.37633	0	0	R4WE33_9HEMI Mitochondrial ribosomal protein S2
8	cds.comp79845_c0_seq1 m.18841	0	0	B4N9S3_DROWI GK11459
8	cds.comp75834_c0_seq1 m.17858	0	0	Q7Q9S3_ANOGA AGAP005070-PA
8	cds.comp81310_c0_seq1 m.19166	0	0	L7M3H9_9ACAR Putative long-chain acyl-coa synthetase amp-forming
8	cds.comp115925_c0_seq1 m.38916	0	0	Q16GJ6_AEDAE AAEL014356-PA
8	cds.comp98716_c0_seq1 m.25337	0	0	Q963G2_RHYAM Histone H1
9	cds.comp7296_c0_seq1 m.1765	10	10	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
9	Der f 1.0104	10	10	Der f 1.0104
9	cds.comp10022_c0_seq1 m.2407	9	9	E2A599_CAMFO Lysosomal alpha-glucosidase
10	Der f 15.0101	21	3	Der f 15.0101

Spot number	Accession	#Peptides	#Unique	Description
10	cds.comp53900_c0_seq1 m.13006	19	1	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
10	cds.comp111232_c0_seq1 m.35846	17	17	no hit
10	cds.comp7296_c0_seq1 m.1765	8	8	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
10	cds.comp10022_c0_seq1 m.2407	8	8	E2A599_CAMFO Lysosomal alpha-glucosidase
10	Der f 1.0104	4	4	Der f 1.0104
10	cds.comp119114_c0_seq1 m.40635	4	4	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
10	cds.comp113572_c0_seq1 m.37601	3	3	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
10	cds.comp113569_c0_seq1 m.37594	3	3	E1U339_9HEMI Prolyl-endylpeptidase Flags: Fragment
10	cds.comp50907_c0_seq1 m.12297	3	3	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
10	cds.comp85702_c0_seq1 m.20075	2	2	Q5TRG5_ANOGA AGAP005728-PA
11	Der f 15.0101	21	3	Der f 15.0101
11	cds.comp111232_c0_seq1 m.35846	20	20	no hit
11	cds.comp53900_c0_seq1 m.13006	19	1	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
11	cds.comp10022_c0_seq1 m.2407	8	8	E2A599_CAMFO Lysosomal alpha-glucosidase
11	cds.comp7296_c0_seq1 m.1765	7	7	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
11	Der f 1.0104	4	4	Der f 1.0104
11	cds.comp112615_c0_seq1 m.36876	4	4	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
11	cds.comp50907_c0_seq1 m.12297	3	3	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
11	cds.comp119114_c0_seq1 m.40635	3	3	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase

Spot number	Accession	#Peptides	#Unique	Description
11	cds.comp113572_c0_seq1 m.37601	2	2	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
11	cds.comp113569_c0_seq1 m.37594	2	2	E1U339_9HEMI Prolyl-endylpeptidase Flags: Fragment
11	Der f 3.0101	2	2	Der f 3.0101
11	cds.comp581_c0_seq1 m.236	2	2	Q7PQ97_ANOGA AGAP004394-PA
12	Der f 15.0101	23	3	Der f 15.0101
12	cds.comp53900_c0_seq1 m.13006	21	1	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
12	cds.comp111232_c0_seq1 m.35846	18	18	no hit
12	cds.comp10022_c0_seq1 m.2407	10	10	E2A599_CAMFO Lysosomal alpha-glucosidase
12	cds.comp7296_c0_seq1 m.1765	9	9	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
12	Der f 1.0104	4	4	Der f 1.0104
12	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
12	cds.comp113572_c0_seq1 m.37601	2	2	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
13	cds.comp7296_c0_seq1 m.1765	10	10	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
13	cds.comp10022_c0_seq1 m.2407	9	9	E2A599_CAMFO Lysosomal alpha-glucosidase
13	cds.comp119114_c0_seq1 m.40635	6	6	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
13	cds.comp53871_c0_seq1 m.12995	5	5	B4K6G9_DROMO GI10435
13	cds.comp99324_c0_seq1 m.26033	3	3	A1KXH2_DERFA Der f 1 allergen
13	cds.comp128018_c0_seq1 m.44542	2	2	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
13	cds.comp53900_c0_seq1 m.13006	2	2	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15

Spot number	Accession	#Peptides	#Unique	Description
13	cds.comp108775_c0_seq1 m.34394	2	2	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
13	cds.comp111232_c0_seq1 m.35846	2	2	no hit
14	cds.comp10022_c0_seq1 m.2407	11	11	E2A599_CAMFO Lysosomal alpha-glucosidase
14	cds.comp7296_c0_seq1 m.1765	7	7	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
14	cds.comp119114_c0_seq1 m.40635	7	7	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
14	cds.comp99324_c0_seq1 m.26033	3	3	A1KXH2_DERFA Der f 1 allergen
14	cds.comp108775_c0_seq1 m.34394	3	3	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
14	cds.comp53900_c0_seq1 m.13006	2	2	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
15	cds.comp7296_c0_seq1 m.1765	11	11	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
15	cds.comp10022_c0_seq1 m.2407	11	11	E2A599_CAMFO Lysosomal alpha-glucosidase
15	cds.comp108775_c0_seq1 m.34394	3	3	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
15	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
15	cds.comp140939_c0_seq1 m.49098	2	2	Q178W0_AEDAE AAEL005752-PA
15	cds.comp129544_c0_seq1 m.45265	2	2	Q9Y196_EURMA Alpha-amylase Flags: Precursor
15	Der f 15.0101	2	2	Der f 15.0101
15	cds.comp119114_c0_seq1 m.40635	2	2	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
15	cds.comp53871_c0_seq1 m.12995	2	2	B4K6G9_DROMO GI10435
16	cds.comp7296_c0_seq1 m.1765	12	12	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
16	cds.comp10022_c0_seq1 m.2407	10	10	E2A599_CAMFO Lysosomal alpha-glucosidase

Spot number	Accession	#Peptides	#Unique	Description
16	cds.comp119114_c0_seq1 m.40635	4	4	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
16	cds.comp108775_c0_seq1 m.34394	3	3	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
16	Der f 4.0101	3	3	Der f 4.0101
16	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
16	cds.comp140939_c0_seq1 m.49098	2	2	Q178W0_AEDAE AAEL005752-PA
17	cds.comp140939_c0_seq1 m.49098	10	10	Q178W0_AEDAE AAEL005752-PA
17	cds.comp140939_c0_seq1 m.49097	7	7	Q5TS83_ANOGA AGAP008584-PA
17	cds.comp108775_c0_seq1 m.34394	7	7	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
17	Der f 4.0101	4	4	Der f 4.0101
17	cds.comp110393_c0_seq1 m.35248	3	3	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
17	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
18	cds.comp140939_c0_seq1 m.49098	10	10	Q178W0_AEDAE AAEL005752-PA
18	cds.comp140939_c0_seq1 m.49097	8	8	Q5TS83_ANOGA AGAP008584-PA
18	cds.comp108775_c0_seq1 m.34394	6	6	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
18	cds.comp110393_c0_seq1 m.35248	3	3	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
18	cds.comp105191_c0_seq1 m.31572	3	3	L7M0B5_9ACAR Putative beta-glucocerebrosidase
18	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
18	cds.comp97082_c0_seq1 m.23801	2	2	B7PNW7_IXOSC Beta-glucocerebrosidase putative EC=3.2.1.45
18	cds.comp132682_c0_seq1 m.46457	2	2	E2ARG4_CAMFO Beta-hexosaminidase EC=3.2.1.52

Spot number	Accession	#Peptides	#Unique	Description
19	cds.comp140939_c0_seq1 m.49098	9	9	Q178W0_AEDAE AAEL005752-PA
19	cds.comp140939_c0_seq1 m.49097	7	7	Q5TS83_ANOGA AGAP008584-PA
19	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
19	cds.comp132682_c0_seq1 m.46457	2	2	E2ARG4_CAMFO Beta-hexosaminidase EC=3.2.1.52
19	cds.comp108775_c0_seq1 m.34394	2	2	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
20	cds.comp140939_c0_seq1 m.49098	8	8	Q178W0_AEDAE AAEL005752-PA
20	cds.comp140939_c0_seq1 m.49097	6	6	Q5TS83_ANOGA AGAP008584-PA
21	cds.comp140939_c0_seq1 m.49097	12	12	Q5TS83_ANOGA AGAP008584-PA
21	cds.comp140939_c0_seq1 m.49098	11	11	Q178W0_AEDAE AAEL005752-PA
21	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
22	cds.comp104804_c0_seq1 m.31206	28	27	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
22	cds.comp103307_c0_seq1 m.29701	13	13	B7P417_IXOSC Peritrophic membrane chitin binding protein putative
22	cds.comp104803_c0_seq1 m.31204	8	8	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
22	cds.comp133675_c0_seq1 m.46787	5	5	F4WJH9_ACREC Plasma glutamate carboxypeptidase
22	Der f 4.0101	5	5	Der f 4.0101
22	cds.comp21911_c0_seq1 m.5216	4	4	B5DL96_DROPS GA22684
22	cds.comp112077_c0_seq1 m.36468	4	2	no hit
22	cds.comp112078_c0_seq1 m.36473	3	1	no hit
22	cds.comp99324_c0_seq1 m.26033	3	3	A1KXH2_DERFA Der f 1 allergen

Spot number	Accession	#Peptides	#Unique	Description
22	cds.comp53900_c0_seq1 m.13006	3	3	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
22	cds.comp44319_c0_seq1 m.10636	3	3	B7Q0R0_IXOSC Phosphoglycerate mutase putative EC=5.4.2.1
22	cds.comp25511_c0_seq1 m.6088	2	2	L0GD06_BOMMO Glucose-regulated protein 78
22	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
22	cds.comp21913_c0_seq1 m.5219	2	2	A3EXM6_MACHI Putative 60 kDa heat shock protein Flags: Fragment
22	cds.comp120708_c0_seq1 m.41345	2	2	L7M898_9ACAR Putative glycerol metabolic process
22	cds.comp17780_c0_seq1 m.4230	2	2	E1AC54_POLVA Heat shock protein 60
22	cds.comp14554_c0_seq1 m.3464	2	2	A0SHR2_AMBVA Protein disulfide isomerase EC=5.3.4.1
22	cds.comp9678_c0_seq1 m.2329	2	2	A0SHR2_AMBVA Protein disulfide isomerase EC=5.3.4.1
22	cds.comp119114_c0_seq1 m.40635	2	2	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
23	cds.comp104802_c0_seq1 m.31198	29	29	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
23	cds.comp103307_c0_seq1 m.29701	12	12	B7P417_IXOSC Peritrophic membrane chitin binding protein putative
23	cds.comp104804_c0_seq1 m.31207	11	11	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
23	cds.comp133675_c0_seq1 m.46787	6	6	F4WJH9_ACREC Plasma glutamate carboxypeptidase
23	Der f 4.0101	6	6	Der f 4.0101
23	cds.comp21911_c0_seq1 m.5216	4	4	B5DL96_DROPS GA22684
23	cds.comp112077_c0_seq1 m.36468	4	2	no hit
23	cds.comp53900_c0_seq1 m.13006	4	4	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
23	Der f 15.0101	4	4	Der f 15.0101

Spot number	Accession	#Peptides	#Unique	Description
23	cds.comp112078_c0_seq1 m.36473	3	1	no hit
23	cds.comp99324_c0_seq1 m.26033	3	3	A1KXH2_DERFA Der f 1 allergen
23	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
23	cds.comp44320_c0_seq1 m.10637	2	2	B7Q0R0_IXOSC Phosphoglycerate mutase putative EC=5.4.2.1
23	cds.comp17779_c0_seq1 m.4228	2	2	A3EXM6_MACHI Putative 60 kDa heat shock protein Flags: Fragment
23	cds.comp125335_c0_seq1 m.43231	2	2	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein
23	cds.comp17780_c0_seq1 m.4230	2	2	E1AC54_POLVA Heat shock protein 60
23	cds.comp44319_c0_seq1 m.10636	2	2	B7Q0R0_IXOSC Phosphoglycerate mutase putative EC=5.4.2.1
23	cds.comp119114_c0_seq1 m.40635	2	2	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
24	cds.comp104802_c0_seq1 m.31198	27	26	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
24	cds.comp103307_c0_seq1 m.29701	14	14	B7P417_IXOSC Peritrophic membrane chitin binding protein putative
24	cds.comp104804_c0_seq1 m.31207	9	9	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
24	cds.comp21911_c0_seq1 m.5216	8	8	B5DL96_DROPS GA22684
24	Der f 4.0101	8	8	Der f 4.0101
24	cds.comp133675_c0_seq1 m.46787	6	6	F4WJH9_ACREC Plasma glutamate carboxypeptidase
24	cds.comp53900_c0_seq1 m.13006	5	5	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
24	cds.comp17779_c0_seq1 m.4228	4	4	A3EXM6_MACHI Putative 60 kDa heat shock protein Flags: Fragment
24	Der f 1.0104	4	4	Der f 1.0104
24	cds.comp112074_c0_seq1 m.36460	3	3	no hit

Spot number	Accession	#Peptides	#Unique	Description
24	cds.comp17780_c0_seq1 m.4230	3	3	E1AC54_POLVA Heat shock protein 60
24	cds.comp14554_c0_seq1 m.3464	3	3	A0SHR2_AMBVA Protein disulfide isomerase EC=5.3.4.1
24	cds.comp44319_c0_seq1 m.10636	3	3	B7Q0R0_IXOSC Phosphoglycerate mutase putative EC=5.4.2.1
24	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
24	cds.comp44320_c0_seq1 m.10637	2	2	B7Q0R0_IXOSC Phosphoglycerate mutase putative EC=5.4.2.1
24	cds.comp151186_c0_seq1 m.51392	2	2	L7M384_9ACAR Putative biotinidase and vanin
24	cds.comp125335_c0_seq1 m.43231	2	2	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein
24	cds.comp112077_c0_seq1 m.36468	2	2	no hit
24	cds.comp105191_c0_seq1 m.31572	2	2	L7M0B5_9ACAR Putative beta-glucocerebrosidase
24	Der f 3.0101	2	2	Der f 3.0101
25	Der f 4.0101	9	9	Der f 4.0101
25	cds.comp133675_c0_seq1 m.46787	8	8	F4WJH9_ACREC Plasma glutamate carboxypeptidase
25	cds.comp103307_c0_seq1 m.29701	7	7	B7P417_IXOSC Peritrophic membrane chitin binding protein putative
25	Der f 1.0104	5	5	Der f 1.0104
25	cds.comp105191_c0_seq1 m.31572	4	4	L7M0B5_9ACAR Putative beta-glucocerebrosidase
25	cds.comp104802_c0_seq1 m.31198	4	4	B7PXR5_IXOSC Chaperonin complex component TCP-1 eta subunit putative
25	cds.comp44319_c0_seq1 m.10636	4	4	B7Q0R0_IXOSC Phosphoglycerate mutase putative EC=5.4.2.1
25	cds.comp112074_c0_seq1 m.36460	3	3	no hit
25	cds.comp112077_c0_seq1 m.36468	3	2	no hit

Spot number	Accession	#Peptides	#Unique	Description
25	cds.comp10023_c0_seq1 m.2409	3	3	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
25	Der f 18.0101	3	3	Der f 18.0101
25	cds.comp25511_c0_seq1 m.6088	2	2	L0GD06_BOMMO Glucose-regulated protein 78
25	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
25	cds.comp97082_c0_seq1 m.23801	2	2	B7PNW7_IXOSC Beta-glucocerebrosidase putative EC=3.2.1.45
25	cds.comp132682_c0_seq1 m.46457	2	2	E2ARG4_CAMFO Beta-hexosaminidase EC=3.2.1.52
25	cds.comp112078_c0_seq1 m.36473	2	1	no hit
25	cds.comp151186_c0_seq1 m.51392	2	2	L7M384_9ACAR Putative biotinidase and vanin
25	cds.comp120707_c0_seq1 m.41344	2	2	B7PNT8_IXOSC Glycerophosphoryl diester phosphodiesterase putative
25	cds.comp131586_c0_seq1 m.46087	2	2	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
25	cds.comp144500_c0_seq1 m.49975	2	2	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51
25	cds.comp151211_c0_seq1 m.51394	2	2	no hit
25	Der f 3.0101	2	2	Der f 3.0101
25	cds.comp106224_c0_seq1 m.32394	2	2	Q291S9_DROPS GA20753 EC=3.2.1.-
25	cds.comp119114_c0_seq1 m.40635	2	2	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
26	Der f 4.0101	17	17	Der f 4.0101
26	cds.comp119114_c0_seq1 m.40635	15	15	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
26	cds.comp105191_c0_seq1 m.31572	9	9	L7M0B5_9ACAR Putative beta-glucocerebrosidase
26	cds.comp144500_c0_seq1 m.49975	7	7	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51

Spot number	Accession	#Peptides	#Unique	Description
26	cds.comp56907_c0_seq1 m.13817	7	7	R4I416_BACDO Phosphoglucose isomerase
26	cds.comp810_c0_seq1 m.281	5	5	L7MAN3_9ACAR UDP-glucose 6-dehydrogenase EC=1.1.1.22
26	cds.comp77177_c0_seq1 m.18163	4	4	B4J0R3_DROGR GH17138
26	cds.comp97082_c0_seq1 m.23801	4	4	B7PNW7_IXOSC Beta-glucocerebrosidase putative EC=3.2.1.45
26	cds.comp32305_c0_seq1 m.7703	3	3	E2ABS8_CAMFO Lysosomal alpha-mannosidase
26	cds.comp56906_c0_seq1 m.13816	3	3	C0L8T6_9CRUS Glucose-6-phosphate isomerase EC=5.3.1.9
26	cds.comp87133_c0_seq1 m.20405	3	3	B7P0M7_IXOSC Aldehyde dehydrogenase putative EC=1.5.1.12 Flags: Fragment
26	cds.comp134523_c0_seq1 m.47116	3	3	L7M765_9ACAR Dihydrolipoyl dehydrogenase EC=1.8.1.4
26	cds.comp99826_c0_seq1 m.26591	3	3	L7MAH9_9ACAR Succinyl-CoA:3-ketoacid-coenzyme A transferase EC=2.8.3.5
26	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
26	cds.comp151650_c0_seq1 m.51478	2	2	E7D172_LATHE Putative purple acid phosphatase Flags: Fragment
26	cds.comp77176_c0_seq1 m.18162	2	2	L7M6V9_9ACAR Putative aldehyde dehydrogenase
26	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
26	cds.comp120707_c0_seq1 m.41344	2	2	B7PNT8_IXOSC Glycerophosphoryl diester phosphodiesterase putative
26	cds.comp114264_c0_seq1 m.37987	2	2	C1BQY6_9MAXI Arylsulfatase A
27	Der f 4.0101	18	18	Der f 4.0101
27	cds.comp134523_c0_seq1 m.47116	9	9	L7M765_9ACAR Dihydrolipoyl dehydrogenase EC=1.8.1.4
27	cds.comp119114_c0_seq1 m.40635	9	9	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
27	cds.comp144500_c0_seq1 m.49975	6	6	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51

Spot number	Accession	#Peptides	#Unique	Description
27	cds.comp105191_c0_seq1 m.31572	6	6	L7M0B5_9ACAR Putative beta-glucocerebrosidase
27	cds.comp13305_c0_seq1 m.3171	3	3	B3TFG6_9ACAR Esterase TCE1
27	cds.comp97082_c0_seq1 m.23801	3	3	B7PNW7_IXOSC Beta-glucocerebrosidase putative EC=3.2.1.45
27	cds.comp56907_c0_seq1 m.13817	2	2	R4I416_BACDO Phosphoglucose isomerase
27	cds.comp77175_c0_seq1 m.18161	2	2	B7P0M7_IXOSC Aldehyde dehydrogenase putative EC=1.5.1.12 Flags: Fragment
28	Der f 4.0101	13	13	Der f 4.0101
28	cds.comp105191_c0_seq1 m.31572	5	5	L7M0B5_9ACAR Putative beta-glucocerebrosidase
28	cds.comp97082_c0_seq1 m.23801	2	2	B7PNW7_IXOSC Beta-glucocerebrosidase putative EC=3.2.1.45
29	cds.comp108274_c0_seq1 m.34025	11	11	Q0KKA6_HAELO Leucine aminopeptidase
29	cds.comp103307_c0_seq1 m.29701	8	8	B7P417_IXOSC Peritrophic membrane chitin binding protein putative
29	Der f 1.0104	7	7	Der f 1.0104
29	cds.comp125335_c0_seq1 m.43231	6	6	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein
29	cds.comp144500_c0_seq1 m.49975	5	5	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51
29	cds.comp105191_c0_seq1 m.31572	5	5	L7M0B5_9ACAR Putative beta-glucocerebrosidase
29	cds.comp119707_c0_seq1 m.40876	5	5	R4G4X4_RHOPR Putative acid sphingomyelinase and phm5 phosphate metabolism protein
29	cds.comp98592_c0_seq1 m.25211	5	5	Q2HXLW9_BLAGL Enolase
29	Der f 4.0101	4	4	Der f 4.0101
29	cds.comp151186_c0_seq1 m.51392	3	3	L7M384_9ACAR Putative biotinidase and vanin
29	cds.comp106225_c0_seq1 m.32397	3	2	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49

Spot number	Accession	#Peptides	#Unique	Description
29	cds.comp106224_c0_seq1 m.32394	3	2	Q291S9_DROPS GA20753 EC=3.2.1.-
29	Der f 18.0101	3	3	Der f 18.0101
29	cds.comp101730_c0_seq1 m.28173	3	3	Q86R84_DERFA 60 kDa allergen Der f 18p
29	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
29	cds.comp97082_c0_seq1 m.23801	2	2	B7PNW7_IXOSC Beta-glucocerebrosidase putative EC=3.2.1.45
29	cds.comp132682_c0_seq1 m.46457	2	2	E2ARG4_CAMFO Beta-hexosaminidase EC=3.2.1.52
29	cds.comp23945_c0_seq1 m.5737	2	2	no hit
29	cds.comp130821_c0_seq1 m.45783	2	2	no hit
29	cds.comp120707_c0_seq1 m.41344	2	2	B7PNT8_IXOSC Glycerophosphoryl diester phosphodiesterase putative
29	Der f 3.0101	2	2	Der f 3.0101
29	cds.comp36162_c0_seq1 m.8681	2	2	E9G305_DAPPU Putative leukotriene A4 hydrolase EC=3.3.2.6
29	cds.comp103559_c0_seq1 m.29931	2	2	L7M0C6_9ACAR Putative beta-glucocerebrosidase
29	cds.comp99345_c0_seq1 m.26060	2	2	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
30	cds.comp108274_c0_seq1 m.34025	10	10	Q0KKA6_HAELO Leucine aminopeptidase
30	cds.comp125335_c0_seq1 m.43231	7	7	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein
30	cds.comp103307_c0_seq1 m.29701	7	7	B7P417_IXOSC Peritrophic membrane chitin binding protein putative
30	cds.comp144500_c0_seq1 m.49975	6	6	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51
30	cds.comp98592_c0_seq1 m.25211	6	6	Q2HXL9_BLAGL Enolase
30	cds.comp119707_c0_seq1 m.40876	5	5	R4G4X4_RHOPR Putative acid sphingomyelinase and phm5 phosphate metabolism protein

Spot number	Accession	#Peptides	#Unique	Description
30	Der f 18.0101	4	4	Der f 18.0101
30	cds.comp106225_c0_seq1 m.32398	3	3	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
30	cds.comp23945_c0_seq1 m.5737	3	3	no hit
30	cds.comp99320_c0_seq1 m.26025	3	3	A1KXH2_DERFA Der f 1 allergen
30	cds.comp105191_c0_seq1 m.31572	3	3	L7M0B5_9ACAR Putative beta-glucocerebrosidase
30	cds.comp106224_c0_seq1 m.32394	3	2	Q291S9_DROPS GA20753 EC=3.2.1.-
30	Der f 4.0101	3	3	Der f 4.0101
30	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
30	cds.comp97082_c0_seq1 m.23801	2	2	B7PNW7_IXOSC Beta-glucocerebrosidase putative EC=3.2.1.45
30	cds.comp132682_c0_seq1 m.46457	2	2	E2ARG4_CAMFO Beta-hexosaminidase EC=3.2.1.52
30	cds.comp106225_c0_seq1 m.32397	2	1	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
30	cds.comp36162_c0_seq1 m.8681	2	2	E9G305_DAPPU Putative leukotriene A4 hydrolase EC=3.3.2.6
30	cds.comp129544_c0_seq1 m.45265	2	2	Q9Y196_EURMA Alpha-amylase Flags: Precursor
30	cds.comp140939_c0_seq1 m.49097	2	2	Q5TS83_ANOGA AGAP008584-PA
30	cds.comp137372_c0_seq1 m.48033	2	2	B7PI01_IXOSC Serine carboxypeptidase putative EC=3.4.16.5 Flags: Fragment
30	cds.comp103559_c0_seq1 m.29931	2	2	L7M0C6_9ACAR Putative beta-glucocerebrosidase
31	cds.comp98592_c0_seq1 m.25211	20	20	Q2HXLW9_BLAGL Enolase
31	cds.comp108273_c0_seq1 m.34021	15	15	Q0KKA6_HAELO Leucine aminopeptidase
31	cds.comp144500_c0_seq1 m.49975	7	7	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51

Spot number	Accession	#Peptides	#Unique	Description
31	cds.comp119707_c0_seq1 m.40876	6	6	R4G4X4_RHOPR Putative acid sphingomyelinase and phm5 phosphate metabolism protein
31	Der f 18.0101	5	5	Der f 18.0101
31	cds.comp106225_c0_seq1 m.32398	4	4	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
31	cds.comp106224_c0_seq1 m.32394	4	3	Q291S9_DROPS GA20753 EC=3.2.1.-
31	cds.comp99344_c0_seq1 m.26058	4	4	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
31	cds.comp99324_c0_seq1 m.26033	3	3	A1KXH2_DERFA Der f 1 allergen
31	cds.comp36060_c0_seq1 m.8657	3	3	R4WCQ6_9HEMI Proteinase
31	cds.comp132682_c0_seq1 m.46457	2	2	E2ARG4_CAMFO Beta-hexosaminidase EC=3.2.1.52
31	cds.comp119370_c0_seq1 m.40727	2	2	L7MIP8_9ACAR Putative beta-lactamase Flags: Fragment
31	cds.comp106225_c0_seq1 m.32397	2	1	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
31	cds.comp137372_c0_seq1 m.48033	2	2	B7PI01_IXOSC Serine carboxypeptidase putative EC=3.4.16.5 Flags: Fragment
31	cds.comp140939_c0_seq1 m.49097	2	2	Q5TS83_ANOGA AGAP008584-PA
31	cds.comp103559_c0_seq1 m.29931	2	1	L7M0C6_9ACAR Putative beta-glucocerebrosidase
32	cds.comp98592_c0_seq1 m.25211	15	15	Q2HXLW9_BLAGL Enolase
32	cds.comp144500_c0_seq1 m.49975	7	7	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51
32	cds.comp108274_c0_seq1 m.34025	6	6	Q0KKA6_HAELO Leucine aminopeptidase
32	cds.comp99345_c0_seq1 m.26060	4	4	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
32	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
32	Der f 18.0101	2	2	Der f 18.0101

Spot number	Accession	#Peptides	#Unique	Description
32	cds.comp128094_c0_seq1 m.44567	2	2	L7M118_9ACAR Putative purple acid phosphatase
33	cds.comp106225_c0_seq1 m.32397	8	8	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
33	cds.comp32307_c0_seq1 m.7704	6	6	F4W8Y5_ACREC Lysosomal alpha-mannosidase
33	Der f 1.0104	6	6	Der f 1.0104
33	cds.comp39309_c0_seq1 m.9403	5	5	E2ABS8_CAMFO Lysosomal alpha-mannosidase
33	Der f 2.0108	4	4	Der f 2.0108
33	cds.comp113240_c0_seq1 m.37386	4	4	Q8ISH5_ARAVE Chitinase
33	cds.comp98592_c0_seq1 m.25211	4	4	Q2HXW9_BLAGL Enolase
33	cds.comp144500_c0_seq1 m.49975	3	3	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51
33	cds.comp119707_c0_seq1 m.40876	3	3	R4G4X4_RHOPR Putative acid sphingomyelinase and phm5 phosphate metabolism protein
33	cds.comp137372_c0_seq1 m.48033	3	3	B7PI01_IXOSC Serine carboxypeptidase putative EC=3.4.16.5 Flags: Fragment
33	cds.comp99344_c0_seq1 m.26058	3	3	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
33	Der f 18.0101	3	3	Der f 18.0101
33	cds.comp149823_c0_seq1 m.51085	2	2	M4LIT4_COTVE Heat shock protein 70
34	cds.comp32307_c0_seq1 m.7704	8	8	F4W8Y5_ACREC Lysosomal alpha-mannosidase
34	cds.comp32305_c0_seq1 m.7703	7	7	E2ABS8_CAMFO Lysosomal alpha-mannosidase
34	cds.comp149823_c0_seq1 m.51085	6	4	M4LIT4_COTVE Heat shock protein 70
34	cds.comp95676_c0_seq1 m.22346	6	6	Q16FX9_AEDAE 4-hydroxyphenylpyruvate dioxygenase
34	Der f 28.0101	6	3	Der f 28.0101

Spot number	Accession	#Peptides	#Unique	Description
34	Der f 28.0201	5	2	Der f 28.0201
34	cds.comp10022_c0_seq1 m.2407	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
35	cds.comp32307_c0_seq1 m.7704	8	8	F4W8Y5_ACREC Lysosomal alpha-mannosidase
35	cds.comp32305_c0_seq1 m.7703	8	8	E2ABS8_CAMFO Lysosomal alpha-mannosidase
35	cds.comp95676_c0_seq1 m.22346	7	7	Q16FX9_AEDAE 4-hydroxyphenylpyruvate dioxygenase
35	cds.comp149823_c0_seq1 m.51085	3	2	M4LIT4_COTVE Heat shock protein 70
35	cds.comp45467_c0_seq1 m.10986	2	2	no hit
35	Der f 28.0101	2	1	Der f 28.0101
36	cds.comp32305_c0_seq1 m.7703	6	6	E2ABS8_CAMFO Lysosomal alpha-mannosidase
36	cds.comp149823_c0_seq1 m.51085	6	4	M4LIT4_COTVE Heat shock protein 70
36	cds.comp95676_c0_seq1 m.22346	6	6	Q16FX9_AEDAE 4-hydroxyphenylpyruvate dioxygenase
36	cds.comp32307_c0_seq1 m.7704	5	5	F4W8Y5_ACREC Lysosomal alpha-mannosidase
36	Der f 28.0101	5	2	Der f 28.0101
36	cds.comp30659_c0_seq1 m.7326	3	3	B7P8Q5_IXOSC Hsp70 putative EC=1.3.1.74 Flags: Fragment
36	Der f 28.0201	3	0	Der f 28.0201
37	cds.comp79187_c0_seq1 m.18650	5	5	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
37	Der f 1.0104	5	5	Der f 1.0104
37	Der f 2.0108	4	4	Der f 2.0108
37	cds.comp113240_c0_seq1 m.37386	4	4	Q8ISH5_ARAVE Chitinase

Spot number	Accession	#Peptides	#Unique	Description
37	Der f 18.0101	4	4	Der f 18.0101
37	cds.comp151211_c0_seq1 m.51394	3	3	no hit
37	cds.comp135033_c0_seq1 m.47262	2	2	B4J0B5_DROGR GH15860
37	cds.comp86983_c0_seq1 m.20364	2	2	H9KR11_APIME Fructose-bisphosphate aldolase EC=4.1.2.13
37	Der f 3.0101	2	2	Der f 3.0101
37	cds.comp119707_c0_seq1 m.40876	2	2	R4G4X4_RHOPR Putative acid sphingomyelinase and phm5 phosphate metabolism protein
38	cds.comp45467_c0_seq1 m.10986	16	16	no hit
38	cds.comp310_c0_seq1 m.148	6	6	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
38	cds.comp79187_c0_seq1 m.18650	5	5	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
38	cds.comp5505_c0_seq1 m.1316	3	3	Q6QWP0_9ARAC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
38	Der f 20.0201	3	3	Der f 20.0201
38	cds.comp39747_c0_seq1 m.9504	2	2	E7D199_LATHE Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
38	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
38	cds.comp86983_c0_seq1 m.20364	2	2	H9KR11_APIME Fructose-bisphosphate aldolase EC=4.1.2.13
38	cds.comp128015_c0_seq1 m.44536	2	2	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
39	cds.comp128013_c0_seq1 m.44526	7	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
39	Der f 3.0101	7	7	Der f 3.0101
39	cds.comp128018_c0_seq1 m.44542	6	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
39	cds.comp310_c0_seq1 m.148	5	5	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase

Spot number	Accession	#Peptides	#Unique	Description
39	cds.comp128016_c0_seq1 m.44537	5	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
39	cds.comp90677_c0_seq1 m.21142	5	5	A7UI22_AMBAM Lospin 7
39	cds.comp128015_c0_seq1 m.44536	5	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
39	cds.comp5505_c0_seq1 m.1316	4	4	Q6QWP0_9ARAC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
39	Der f 1.0104	4	4	Der f 1.0104
39	cds.comp39747_c0_seq1 m.9504	3	3	E7D199_LATHE Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
39	cds.comp151211_c0_seq1 m.51394	3	3	no hit
39	cds.comp52908_c0_seq1 m.12748	3	3	A1YW13_DERFA Der f 1 allergen
39	cds.comp49378_c0_seq1 m.11900	3	3	B7QMV1_IXOSC Elongation factor putative
39	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
39	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
39	cds.comp79187_c0_seq1 m.18650	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
39	cds.comp10022_c0_seq1 m.2407	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
40	cds.comp128013_c0_seq1 m.44526	6	2	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
40	cds.comp128018_c0_seq1 m.44542	6	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
40	cds.comp128015_c0_seq1 m.44536	5	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
40	cds.comp115285_c0_seq1 m.38533	4	4	Q17DM4_AEDAE AAEL004088-PC SubName: Full=AAEL004088-PD
40	cds.comp128016_c0_seq1 m.44537	4	0	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
40	Der f 3.0101	4	4	Der f 3.0101

Spot number	Accession	#Peptides	#Unique	Description
40	cds.comp49378_c0_seq1 m.11900	4	4	B7QMV1_IXOSC Elongation factor putative
40	cds.comp5505_c0_seq1 m.1316	3	3	Q6QWP0_9ARAC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
40	cds.comp310_c0_seq1 m.148	3	3	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
40	cds.comp39747_c0_seq1 m.9504	2	2	E7D199_LATHE Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
40	cds.comp32305_c0_seq1 m.7703	2	2	E2ABS8_CAMFO Lysosomal alpha-mannosidase
40	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
40	cds.comp52908_c0_seq1 m.12748	2	2	A1YW13_DERFA Der f 1 allergen
41	cds.comp310_c0_seq1 m.148	13	13	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
41	cds.comp5505_c0_seq1 m.1316	7	7	Q6QWP0_9ARAC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
41	cds.comp10022_c0_seq1 m.2407	7	7	E2A599_CAMFO Lysosomal alpha-glucosidase
41	Der f 2.0108	6	6	Der f 2.0108
41	cds.comp39747_c0_seq1 m.9504	5	5	E7D199_LATHE Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
41	cds.comp128015_c0_seq1 m.44536	5	4	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
41	cds.comp128013_c0_seq1 m.44526	4	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
41	cds.comp128012_c0_seq1 m.44522	4	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
41	cds.comp45467_c0_seq1 m.10986	4	4	no hit
41	Der f 20.0201	4	4	Der f 20.0201
41	cds.comp121851_c0_seq1 m.41954	3	3	B7P3M8_IXOSC D-3-phosphoglycerate dehydrogenase putative EC=1.1.1.95 Flags: Fragment
41	cds.comp128018_c0_seq1 m.44542	2	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1

Spot number	Accession	#Peptides	#Unique	Description
41	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
41	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
41	cds.comp79187_c0_seq1 m.18650	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
41	Der f 3.0101	2	2	Der f 3.0101
42	cds.comp310_c0_seq1 m.148	13	13	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
42	cds.comp5505_c0_seq1 m.1316	8	8	Q6QWP0_9ARAC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
42	cds.comp39747_c0_seq1 m.9504	5	5	E7D199_LATHE Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
42	cds.comp128015_c0_seq1 m.44536	5	5	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
42	cds.comp45467_c0_seq1 m.10986	4	4	no hit
42	cds.comp128013_c0_seq1 m.44526	3	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
42	cds.comp121851_c0_seq1 m.41954	3	3	B7P3M8_IXOSC D-3-phosphoglycerate dehydrogenase putative EC=1.1.1.95 Flags: Fragment
42	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
42	cds.comp10022_c0_seq1 m.2407	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
43	cds.comp310_c0_seq1 m.148	14	14	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
43	cds.comp5505_c0_seq1 m.1316	9	9	Q6QWP0_9ARAC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
43	cds.comp45467_c0_seq1 m.10986	8	8	no hit
43	cds.comp5506_c0_seq1 m.1317	5	5	E7D199_LATHE Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
43	cds.comp128015_c0_seq1 m.44536	5	5	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
43	cds.comp83879_c0_seq1 m.19673	4	4	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt

Spot number	Accession	#Peptides	#Unique	Description
43	Der f 20.0201	4	4	Der f 20.0201
43	cds.comp128013_c0_seq1 m.44526	3	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
43	cds.comp10022_c0_seq1 m.2407	3	3	E2A599_CAMFO Lysosomal alpha-glucosidase
43	cds.comp121851_c0_seq1 m.41954	3	3	B7P3M8_IXOSC D-3-phosphoglycerate dehydrogenase putative EC=1.1.1.95 Flags: Fragment
43	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
43	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
43	cds.comp79187_c0_seq1 m.18650	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
43	cds.comp96191_c0_seq1 m.22959	2	2	no hit
44	cds.comp310_c0_seq1 m.148	15	15	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
44	cds.comp5505_c0_seq1 m.1316	7	7	Q6QWP0_9ARAC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
44	cds.comp39747_c0_seq1 m.9504	5	5	E7D199_LATHE Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
44	cds.comp128015_c0_seq1 m.44536	4	4	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
44	cds.comp95676_c0_seq1 m.22346	4	4	Q16FX9_AEDAE 4-hydroxyphenylpyruvate dioxygenase
44	cds.comp128013_c0_seq1 m.44526	3	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
44	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
44	cds.comp115285_c0_seq1 m.38533	2	2	Q17DM4_AEDAE AAEL004088-PC SubName: Full=AAEL004088-PD
45	cds.comp108798_c0_seq1 m.34424	12	12	G6CUI4_DANPL Molting fluid carboxypeptidase A
45	Der f 3.0101	10	10	Der f 3.0101
45	cds.comp128015_c0_seq1 m.44536	7	5	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1

Spot number	Accession	#Peptides	#Unique	Description
45	Der f 1.0104	6	6	Der f 1.0104
45	cds.comp15303_c0_seq1 m.3655	5	4	G3ACU4_GLOMR Actin 5C/42A Flags: Fragment
45	cds.comp128013_c0_seq1 m.44526	5	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
45	Der f 6.0101	5	4	Der f 6.0101
45	cds.comp20812_c0_seq1 m.4957	4	3	B2MVM3_SARSC Actin
45	cds.comp128018_c0_seq1 m.44542	4	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
45	cds.comp100364_c0_seq1 m.27163	4	4	Q8MRY3_DROME SD13780p
45	cds.comp99833_c0_seq1 m.26596	4	4	A7UNU0_9ACAR Ale o 1 allergen
45	cds.comp112368_c0_seq1 m.36667	2	1	Q155V8_DERFA Der f 6 Flags: Fragment
45	cds.comp151211_c0_seq1 m.51394	2	2	no hit
45	cds.comp52908_c0_seq1 m.12748	2	2	A1YW13_DERFA Der f 1 allergen
45	Der f 27.0101	2	2	Der f 27.0101
46	cds.comp108798_c0_seq1 m.34424	11	11	G6CUI4_DANPL Molting fluid carboxypeptidase A
46	Der f 3.0101	9	9	Der f 3.0101
46	cds.comp128015_c0_seq1 m.44536	6	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
46	cds.comp128013_c0_seq1 m.44526	5	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
46	cds.comp128016_c0_seq1 m.44537	5	0	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
46	cds.comp102387_c0_seq1 m.28696	5	5	A1KXH7_DERFA Der f Alt a 10 allergen
46	cds.comp128018_c0_seq1 m.44542	4	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1

Spot number	Accession	#Peptides	#Unique	Description
46	cds.comp100364_c0_seq1 m.27163	4	4	Q8MRY3_DROME SD13780p
46	Der f 1.0104	4	4	Der f 1.0104
46	Der f 6.0101	4	4	Der f 6.0101
46	cds.comp15303_c0_seq1 m.3655	3	3	G3ACU4_GLOMR Actin 5C/42A Flags: Fragment
46	cds.comp151211_c0_seq1 m.51394	2	2	no hit
46	cds.comp52908_c0_seq1 m.12748	2	2	A1YW13_DERFA Der f 1 allergen
47	cds.comp108798_c0_seq1 m.34424	10	10	G6CUI4_DANPL Molting fluid carboxypeptidase A
47	cds.comp102387_c0_seq1 m.28696	10	10	A1KXH7_DERFA Der f Alt a 10 allergen
47	Der f 3.0101	9	9	Der f 3.0101
47	cds.comp128015_c0_seq1 m.44536	7	5	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
47	cds.comp128013_c0_seq1 m.44526	6	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
47	cds.comp128018_c0_seq1 m.44542	5	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
47	Der f 1.0104	4	4	Der f 1.0104
47	Der f 6.0101	4	4	Der f 6.0101
47	cds.comp90677_c0_seq1 m.21142	4	4	A7UI22_AMBAM Lospin 7
47	cds.comp99833_c0_seq1 m.26596	3	3	A7UNU0_9ACAR Ale o 1 allergen
47	cds.comp151211_c0_seq1 m.51394	3	3	no hit
47	cds.comp100364_c0_seq1 m.27163	3	3	Q8MRY3_DROME SD13780p
47	cds.comp52908_c0_seq1 m.12748	3	3	A1YW13_DERFA Der f 1 allergen

Spot number	Accession	#Peptides	#Unique	Description
47	cds.comp103358_c0_seq1 m.29778	2	2	C4WUM8_ACYPI ACYPI003308 protein SubName: Full=Uncharacterized protein
47	Der f 2.0106	2	2	Der f 2.0106
47	cds.comp101581_c0_seq1 m.28089	2	2	no hit
47	cds.comp25200_c0_seq1 m.6015	2	2	E9GFR6_DAPPU Alpha-carbonic anhydrase EC=4.2.1.1
47	cds.comp115285_c0_seq1 m.38533	2	2	Q17DM4_AEDAE AAEL004088-PC SubName: Full=AAEL004088-PD
47	cds.comp49378_c0_seq1 m.11900	2	2	B7QMV1_IXOSC Elongation factor putative
47	cds.comp113240_c0_seq1 m.37386	2	2	Q8ISH5_ARAVE Chitinase
48	Der f 3.0101	13	13	Der f 3.0101
48	cds.comp128013_c0_seq1 m.44526	7	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
48	Der f 1.0104	7	7	Der f 1.0104
48	cds.comp108798_c0_seq1 m.34424	7	7	G6CUI4_DANPL Molting fluid carboxypeptidase A
48	cds.comp128018_c0_seq1 m.44542	6	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
48	Der f 6.0101	6	4	Der f 6.0101
48	cds.comp128015_c0_seq1 m.44536	6	4	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
48	cds.comp113240_c0_seq1 m.37386	6	6	Q8ISH5_ARAVE Chitinase
48	cds.comp52908_c0_seq1 m.12748	4	4	A1YW13_DERFA Der f 1 allergen
48	cds.comp115285_c0_seq1 m.38533	3	3	Q17DM4_AEDAE AAEL004088-PC SubName: Full=AAEL004088-PD
48	cds.comp112367_c0_seq1 m.36666	3	1	Q155V8_DERFA Der f 6 Flags: Fragment
48	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1

Spot number	Accession	#Peptides	#Unique	Description
48	cds.comp25200_c0_seq1 m.6015	2	2	E9GFR6_DAPPU Alpha-carbonic anhydrase EC=4.2.1.1
48	cds.comp45957_c0_seq1 m.11079	2	2	B7QMV1_IXOSC Elongation factor putative
49	cds.comp101423_c0_seq1 m.28025	20	5	A1KXH3_DERFA Der f 3 allergen
49	Der f 3.0101	16	1	Der f 3.0101
49	cds.comp128016_c0_seq1 m.44537	7	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
49	cds.comp128015_c0_seq1 m.44536	7	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
49	Der f 1.0104	5	5	Der f 1.0104
49	cds.comp128013_c0_seq1 m.44526	4	2	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
49	cds.comp128018_c0_seq1 m.44542	4	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
49	cds.comp52908_c0_seq1 m.12748	2	2	A1YW13_DERFA Der f 1 allergen
50	Der f 6.0101	9	5	Der f 6.0101
50	Der f 3.0101	9	9	Der f 3.0101
50	cds.comp113240_c0_seq1 m.37386	9	9	Q8ISH5_ARAVE Chitinase
50	Der f 1.0104	8	8	Der f 1.0104
50	cds.comp128013_c0_seq1 m.44526	7	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
50	cds.comp128015_c0_seq1 m.44536	7	5	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
50	cds.comp128018_c0_seq1 m.44542	6	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
50	cds.comp112368_c0_seq1 m.36667	5	1	Q155V8_DERFA Der f 6 Flags: Fragment
50	cds.comp52908_c0_seq1 m.12748	5	5	A1YW13_DERFA Der f 1 allergen

Spot number	Accession	#Peptides	#Unique	Description
50	Der f 18.0101	3	3	Der f 18.0101
50	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
50	cds.comp25200_c0_seq1 m.6015	2	2	E9GFR6_DAPPU Alpha-carbonic anhydrase EC=4.2.1.1
50	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
50	cds.comp116462_c0_seq1 m.39120	2	2	B5DYT7_DROPS GA26775
51	Der f 3.0101	8	8	Der f 3.0101
51	cds.comp128013_c0_seq1 m.44526	7	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
51	cds.comp128018_c0_seq1 m.44542	6	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
51	cds.comp128016_c0_seq1 m.44537	6	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
51	cds.comp128015_c0_seq1 m.44536	6	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
51	cds.comp113240_c0_seq1 m.37386	6	6	Q8ISH5_ARAVE Chitinase
51	Der f 1.0104	5	5	Der f 1.0104
51	cds.comp52908_c0_seq1 m.12748	4	4	A1YW13_DERFA Der f 1 allergen
51	Der f 6.0101	3	3	Der f 6.0101
51	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
51	cds.comp25200_c0_seq1 m.6015	2	2	E9GFR6_DAPPU Alpha-carbonic anhydrase EC=4.2.1.1
51	cds.comp151211_c0_seq1 m.51394	2	2	no hit
52	Der f 3.0101	9	9	Der f 3.0101
52	cds.comp128013_c0_seq1 m.44526	7	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1

Spot number	Accession	#Peptides	#Unique	Description
52	cds.comp128015_c0_seq1 m.44536	7	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
52	cds.comp128018_c0_seq1 m.44542	6	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
52	cds.comp128016_c0_seq1 m.44537	6	0	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
52	Der f 1.0104	4	4	Der f 1.0104
52	Der f 6.0101	2	2	Der f 6.0101
53	cds.comp105708_c0_seq1 m.31983	7	7	F4WQI8_ACREC Actin-interacting protein 1
53	Der f 3.0101	7	7	Der f 3.0101
53	cds.comp128015_c0_seq1 m.44536	7	5	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
53	cds.comp52908_c0_seq1 m.12748	6	6	A1YW13_DERFA Der f 1 allergen
53	cds.comp128013_c0_seq1 m.44526	5	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
53	cds.comp128018_c0_seq1 m.44542	4	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
53	Der f 1.0104	4	4	Der f 1.0104
53	cds.comp90677_c0_seq1 m.21142	3	3	A7UI22_AMBAM Lospin 7
53	Der f 18.0101	3	3	Der f 18.0101
53	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
53	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
53	cds.comp115285_c0_seq1 m.38533	2	2	Q17DM4_AEDAE AAEL004088-PC SubName: Full=AAEL004088-PD
53	cds.comp83879_c0_seq1 m.19673	2	2	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
53	cds.comp17339_c0_seq1 m.4137	2	2	B7PQV0_IXOSC Alpha-aspartyl dipeptidase putative EC=3.4.13.21

Spot number	Accession	#Peptides	#Unique	Description
53	cds.comp115085_c0_seq1 m.38400	2	2	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
53	Der f 4.0101	2	2	Der f 4.0101
54	cds.comp128013_c0_seq1 m.44526	7	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
54	cds.comp128016_c0_seq1 m.44537	7	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
54	cds.comp128015_c0_seq1 m.44536	7	1	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
54	cds.comp128018_c0_seq1 m.44542	6	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
54	Der f 3.0101	5	5	Der f 3.0101
54	Der f 1.0104	3	3	Der f 1.0104
55	cds.comp105708_c0_seq1 m.31983	12	12	F4WQI8_ACREC Actin-interacting protein 1
55	Der f 3.0101	9	9	Der f 3.0101
55	cds.comp52908_c0_seq1 m.12748	8	8	A1YW13_DERFA Der f 1 allergen
55	cds.comp90677_c0_seq1 m.21142	8	8	A7UI22_AMBAM Lospin 7
55	cds.comp128015_c0_seq1 m.44536	7	5	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
55	cds.comp128013_c0_seq1 m.44526	5	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
55	cds.comp128018_c0_seq1 m.44542	4	0	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
55	Der f 2.0106	3	3	Der f 2.0106
55	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
56	cds.comp14401_c0_seq1 m.3427	6	6	Q7PX08_ANOGA AGAP001151-PA
56	Der f 27.0101	6	6	Der f 27.0101

Spot number	Accession	#Peptides	#Unique	Description
56	cds.comp128016_c0_seq1 m.44537	4	0	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
56	Der f 1.0104	4	4	Der f 1.0104
56	cds.comp128015_c0_seq1 m.44536	4	0	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
56	Der f 3.0101	4	4	Der f 3.0101
56	cds.comp128018_c0_seq1 m.44542	2	1	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
56	cds.comp100364_c0_seq1 m.27163	2	2	Q8MRY3_DROME SD13780p
56	cds.comp99833_c0_seq1 m.26596	2	2	A7UNU0_9ACAR Ale o 1 allergen
56	cds.comp14554_c0_seq1 m.3464	2	2	A0SHR2_AMBVA Protein disulfide isomerase EC=5.3.4.1
57	cds.comp128015_c0_seq1 m.44536	6	5	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
57	Der f 1.0104	5	5	Der f 1.0104
57	Der f 3.0101	5	5	Der f 3.0101
57	Der f 27.0101	4	4	Der f 27.0101
57	cds.comp99833_c0_seq1 m.26596	3	3	A7UNU0_9ACAR Ale o 1 allergen
57	cds.comp100364_c0_seq1 m.27163	3	3	Q8MRY3_DROME SD13780p
57	cds.comp14554_c0_seq1 m.3464	3	3	A0SHR2_AMBVA Protein disulfide isomerase EC=5.3.4.1
57	cds.comp128018_c0_seq1 m.44542	2	1	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
57	cds.comp78532_c0_seq1 m.18484	2	2	A1KXH8_DERFA Der f Gal d 2 allergen
57	cds.comp108798_c0_seq1 m.34424	2	2	G6CUI4_DANPL Molting fluid carboxypeptidase A
57	Der f 6.0101	2	2	Der f 6.0101

Spot number	Accession	#Peptides	#Unique	Description
57	cds.comp98590_c0_seq1 m.25209	2	2	Q2HXLW9_BLAGL Enolase
57	cds.comp103307_c0_seq1 m.29701	2	2	B7P417_IXOSC Peritrophic membrane chitin binding protein putative
58	cds.comp128015_c0_seq1 m.44536	4	4	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
58	cds.comp18558_c0_seq1 m.4417	3	3	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
58	cds.comp39309_c0_seq1 m.9403	2	2	E2ABS8_CAMFO Lysosomal alpha-mannosidase
58	Der f 1.0104	2	2	Der f 1.0104
59	cds.comp128015_c0_seq1 m.44536	5	5	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
59	cds.comp18558_c0_seq1 m.4417	4	4	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
59	cds.comp106751_c0_seq1 m.32734	4	4	no hit
59	Der f 1.0104	3	3	Der f 1.0104
59	cds.comp310_c0_seq1 m.148	2	2	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
60	cds.comp128015_c0_seq1 m.44536	6	6	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
60	cds.comp106751_c0_seq1 m.32734	5	5	no hit
60	cds.comp18558_c0_seq1 m.4417	4	4	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
60	cds.comp128013_c0_seq1 m.44526	2	2	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
60	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
61	Der f 1.0104	10	10	Der f 1.0104
61	Der f 27.0101	4	4	Der f 27.0101
61	cds.comp111232_c0_seq1 m.35846	4	4	no hit

Spot number	Accession	#Peptides	#Unique	Description
61	cds.comp18558_c0_seq1 m.4417	3	3	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
61	cds.comp104653_c0_seq1 m.31049	3	3	no hit
61	Der f 3.0101	3	3	Der f 3.0101
61	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
61	cds.comp128018_c0_seq1 m.44542	2	2	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
61	cds.comp80154_c0_seq1 m.18914	2	2	Der f 35
61	cds.comp78532_c0_seq1 m.18484	2	2	A1KXH8_DERFA Der f Gal d 2 allergen
61	Der f 6.0101	2	1	Der f 6.0101
61	cds.comp70311_c0_seq1 m.16736	2	2	E9GAM5_DAPPU 6-phosphogluconate dehydrogenase decarboxylating EC=1.1.1.44
61	cds.comp100364_c0_seq1 m.27163	2	2	Q8MRY3_DROME SD13780p
61	cds.comp112368_c0_seq1 m.36667	2	1	Q155V8_DERFA Der f 6 Flags: Fragment
62	Der f 1.0104	8	8	Der f 1.0104
62	cds.comp104654_c0_seq1 m.31050	5	5	no hit
62	Der f 6.0101	4	2	Der f 6.0101
62	cds.comp70311_c0_seq1 m.16736	3	3	E9GAM5_DAPPU 6-phosphogluconate dehydrogenase decarboxylating EC=1.1.1.44
62	cds.comp112368_c0_seq1 m.36667	3	1	Q155V8_DERFA Der f 6 Flags: Fragment
62	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
62	cds.comp111232_c0_seq1 m.35846	2	2	no hit
63	Der f 1.0104	8	8	Der f 1.0104

Spot number	Accession	#Peptides	#Unique	Description
63	Der f 6.0101	4	2	Der f 6.0101
63	cds.comp112368_c0_seq1 m.36667	3	1	Q155V8_DERFA Der f 6 Flags: Fragment
63	cds.comp18558_c0_seq1 m.4417	2	2	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
63	Der f 3.0101	2	2	Der f 3.0101
64	Der f 1.0104	13	13	Der f 1.0104
64	Der f 6.0101	5	2	Der f 6.0101
64	cds.comp112368_c0_seq1 m.36667	5	2	Q155V8_DERFA Der f 6 Flags: Fragment
64	cds.comp18558_c0_seq1 m.4417	3	3	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
64	cds.comp14554_c0_seq1 m.3464	2	2	A0SHR2_AMBVA Protein disulfide isomerase EC=5.3.4.1
64	cds.comp52908_c0_seq1 m.12748	2	2	A1YW13_DERFA Der f 1 allergen
65	Der f 1.0104	12	12	Der f 1.0104
65	Der f 6.0101	10	4	Der f 6.0101
65	cds.comp112368_c0_seq1 m.36667	8	2	Q155V8_DERFA Der f 6 Flags: Fragment
65	cds.comp18558_c0_seq1 m.4417	3	3	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
65	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
65	cds.comp52908_c0_seq1 m.12748	2	2	A1YW13_DERFA Der f 1 allergen
65	cds.comp128018_c0_seq1 m.44542	1	1	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
65	cds.comp77465_c0_seq1 m.18227	1	1	L7M6N0_9ACAR Putative eukaryotic translation initiation factor
66	Der f 1.0104	13	13	Der f 1.0104

Spot number	Accession	#Peptides	#Unique	Description
66	cds.comp13305_c0_seq1 m.3171	3	3	B3TFG6_9ACAR Esterase TCE1
66	cds.comp18558_c0_seq1 m.4417	3	3	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
66	cds.comp52908_c0_seq1 m.12748	3	3	A1YW13_DERFA Der f 1 allergen
67	cds.comp108058_c0_seq1 m.33824	7	7	F5HJZ1_ANOGA AGAP000801-PB Flags: Fragment
67	Der f 1.0104	7	7	Der f 1.0104
67	cds.comp18558_c0_seq1 m.4417	6	6	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
67	cds.comp128015_c0_seq1 m.44536	4	3	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
67	cds.comp52908_c0_seq1 m.12748	3	3	A1YW13_DERFA Der f 1 allergen
67	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
67	cds.comp56449_c0_seq1 m.13708	2	2	E2A5F2_CAMFO Purine nucleoside phosphorylase
67	cds.comp128018_c0_seq1 m.44542	2	1	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
67	cds.comp98258_c0_seq1 m.24905	2	2	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
67	Der f 6.0101	2	2	Der f 6.0101
67	cds.comp114969_c0_seq1 m.38342	2	2	Der f 36
67	cds.comp12936_c0_seq1 m.3079	2	2	L7M8L1_9ACAR Putative gdp-l-fucose synthetase
68	cds.comp18558_c0_seq1 m.4417	5	5	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
68	cds.comp12936_c0_seq1 m.3079	5	5	L7M8L1_9ACAR Putative gdp-l-fucose synthetase
68	cds.comp108058_c0_seq1 m.33824	4	4	F5HJZ1_ANOGA AGAP000801-PB Flags: Fragment
68	cds.comp108059_c0_seq1 m.33825	4	4	F5HJZ1_ANOGA AGAP000801-PB Flags: Fragment

Spot number	Accession	#Peptides	#Unique	Description
68	Der_f_1.0104	4	4	Der_f_1.0104
68	Der_f_1.0102	4	4	Der_f_1.0102
68	cds.comp98258_c0_seq1 m.24905	3	3	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
68	Der_f_6.0101	3	2	Der_f_6.0101
68	cds.comp52908_c0_seq1 m.12748	3	3	A1YW13_DERFA Der f 1 allergen
68	cds.comp101558_c0_seq1 m.28079	3	3	B7Q0D4_IXOSC Fumarylacetoacetase putative EC=3.7.1.2
68	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
68	cds.comp101628_c0_seq1 m.28106	2	2	no hit
68	cds.comp106751_c0_seq1 m.32734	2	2	no hit
68	cds.comp128016_c0_seq1 m.44537	2	2	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
68	cds.comp112368_c0_seq1 m.36667	2	1	Q155V8_DERFA Der f 6 Flags: Fragment
69	cds.comp106751_c0_seq1 m.32734	10	10	no hit
69	cds.comp18558_c0_seq1 m.4417	8	8	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
69	Der f 1.0104	3	3	Der f 1.0104
70	cds.comp106751_c0_seq1 m.32734	10	10	no hit
70	cds.comp18558_c0_seq1 m.4417	9	9	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
70	Der f 1.0104	3	3	Der f 1.0104
70	cds.comp5505_c0_seq1 m.1316	2	2	Q6QWP0_9ARAC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12 Flags: Fragment
70	cds.comp79187_c0_seq1 m.18650	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment

Spot number	Accession	#Peptides	#Unique	Description
71	cds.comp18558_c0_seq1 m.4417	8	8	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
71	Der f 1.0104	3	3	Der f 1.0104
72	cds.comp18558_c0_seq1 m.4417	10	10	Q8MWR4_DERPT Serine protease LM-1 Flags: Fragment
72	Der f 1.0104	3	3	Der f 1.0104
73	Der f 2.0108	11	11	Der f 2.0108
73	Der f 25.0201	7	7	Der f 25.0201
73	cds.comp56403_c0_seq1 m.13691	6	6	Q16UH5_AEDAE Proteasome subunit alpha type EC=3.4.25.1
73	cds.comp94542_c0_seq1 m.22071	6	6	F4WNF6_ACREC Proteasome subunit alpha type EC=3.4.25.1 Flags: Fragment
73	cds.comp114973_c0_seq1 m.38346	5	5	Der f 36
73	cds.comp108218_c0_seq1 m.33973	4	4	G3MMG5_9ACAR Proteasome subunit alpha type EC=3.4.25.1
73	cds.comp83879_c0_seq1 m.19673	3	3	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
73	cds.comp106751_c0_seq1 m.32734	3	3	no hit
73	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
73	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
73	cds.comp120707_c0_seq1 m.41344	2	2	B7PNT8_IXOSC Glycerophosphoryl diester phosphodiesterase putative
73	cds.comp104007_c0_seq1 m.30355	2	2	L7M9E3_9ACAR Putative beta adaptin
74	cds.comp98258_c0_seq1 m.24905	19	19	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
74	cds.comp126426_c0_seq1 m.43748	11	11	G3MFV0_9ACAR Proteasome subunit alpha type EC=3.4.25.1 Flags: Fragment
74	cds.comp56403_c0_seq1 m.13691	9	9	Q16UH5_AEDAE Proteasome subunit alpha type EC=3.4.25.1

Spot number	Accession	#Peptides	#Unique	Description
74	cds.comp83879_c0_seq1 m.19673	7	7	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
74	cds.comp106751_c0_seq1 m.32734	7	7	no hit
74	cds.comp109979_c0_seq1 m.35071	5	5	Q95PA6_AEDAE Putative short-chain dehydrogenase/reductase Mc1
74	cds.comp108218_c0_seq1 m.33973	5	5	G3MMG5_9ACAR Proteasome subunit alpha type EC=3.4.25.1
74	cds.comp94136_c0_seq1 m.21929	5	5	Q16FX9_AEDAE 4-hydroxyphenylpyruvate dioxygenase
74	cds.comp88173_c0_seq1 m.20618	3	3	G3MLT2_9ACAR Proteasome subunit alpha type EC=3.4.25.1
74	Der f 2.0109	3	3	Der f 2.0109
74	cds.comp104008_c0_seq1 m.30356	3	3	L7M9E3_9ACAR Putative beta adaptin
74	cds.comp17339_c0_seq1 m.4137	3	3	B7PQV0_IXOSC Alpha-aspartyl dipeptidase putative EC=3.4.13.21
74	cds.comp128015_c0_seq1 m.44536	3	3	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
74	cds.comp100083_c0_seq1 m.26923	2	2	B7PM02_IXOSC Proteasome subunit beta type EC=3.4.25.1
74	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
74	cds.comp114969_c0_seq1 m.38342	2	2	Der f 36
74	cds.comp67650_c0_seq1 m.16137	2	2	I4DKD3_PAPXU Malate dehydrogenase EC=1.1.1.37
74	cds.comp97982_c0_seq1 m.24536	2	2	E2BH78_HARSA Phosphatidylinositol-specific phospholipase C X domain-containing protein 1
74	cds.comp96258_c0_seq1 m.23052	2	2	L7M2A4_9ACAR Putative alpha actinin
74	cds.comp34198_c0_seq1 m.8186	2	2	B7PEY0_IXOSC AP-2 complex subunit alpha-1 putative
75	cds.comp112483_c0_seq1 m.36741	7	7	no hit
75	cds.comp114969_c0_seq1 m.38342	6	6	Der f 36

Spot number	Accession	#Peptides	#Unique	Description
75	cds.comp83879_c0_seq1 m.19673	5	5	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
75	cds.comp13305_c0_seq1 m.3171	3	3	B3TFG6_9ACAR Esterase TCE1
75	cds.comp19576_c0_seq1 m.4639	3	3	Q3Y596_MACRS Superoxide dismutase EC=1.15.1.1
75	Der f 2.0107	2	2	Der f 2.0107
75	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
75	cds.comp79187_c0_seq1 m.18650	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
75	Der f 8.0101	2	2	Der f 8.0101
75	cds.comp86748_c0_seq1 m.20317	2	2	G6CVS9_DANPL Legumaturain
75	cds.comp54005_c0_seq1 m.13051	2	2	B7QC64_IXOSC Glutathione S-transferase kappa putative EC=2.5.1.18
76	cds.comp114973_c0_seq1 m.38346	8	8	Der f 36
76	cds.comp54005_c0_seq1 m.13051	4	4	B7QC64_IXOSC Glutathione S-transferase kappa putative EC=2.5.1.18
76	cds.comp83879_c0_seq1 m.19673	3	3	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
76	Der f 1.0104	3	3	Der f 1.0104
76	cds.comp13305_c0_seq1 m.3171	2	2	B3TFG6_9ACAR Esterase TCE1
76	cds.comp79187_c0_seq1 m.18650	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
76	cds.comp104357_c0_seq1 m.30743	2	2	A2I427_MACHI Putative hydroxysteroid (17-beta) dehydrogenase 8
76	cds.comp19576_c0_seq1 m.4639	2	2	Q3Y596_MACRS Superoxide dismutase EC=1.15.1.1
76	Der f 8.0101	2	2	Der f 8.0101
76	cds.comp112483_c0_seq1 m.36741	2	2	no hit

Spot number	Accession	#Peptides	#Unique	Description
76	cds.comp90677_c0_seq1 m.21142	2	2	A7UI22_AMBAM Lospin 7
77	cds.comp114973_c0_seq1 m.38346	10	10	Der f 36
77	Der f 1.0104	3	3	Der f 1.0104
77	cds.comp19576_c0_seq1 m.4639	2	2	Q3Y596_MACRS Superoxide dismutase EC=1.15.1.1
77	Der f 8.0101	2	2	Der f 8.0101
78	cds.comp83879_c0_seq1 m.19673	6	6	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
78	cds.comp114969_c0_seq1 m.38342	6	6	Der f 36
78	cds.comp54005_c0_seq1 m.13051	6	6	B7QC64_IXOSC Glutathione S-transferase kappa putative EC=2.5.1.18
78	cds.comp106751_c0_seq1 m.32734	3	3	no hit
78	cds.comp362_c0_seq1 m.164	2	2	Q2YFE3_DERPT Glutathione transferase delta-like Dp7018E11
78	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
78	cds.comp79187_c0_seq1 m.18650	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
78	Der f 8.0101	2	2	Der f 8.0101
78	cds.comp19576_c0_seq1 m.4639	2	2	Q3Y596_MACRS Superoxide dismutase EC=1.15.1.1
78	cds.comp108218_c0_seq1 m.33973	2	2	G3MMG5_9ACAR Proteasome subunit alpha type EC=3.4.25.1
79	cds.comp83879_c0_seq1 m.19673	10	10	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
79	Der f 2.0108	8	8	Der f 2.0108
79	cds.comp50993_c0_seq1 m.12321	3	3	J3JYL1_9CUCU Superoxide dismutase [Cu-Zn] EC=1.15.1.1
79	Der f 22.0101	3	3	Der f 22.0101

Spot number	Accession	#Peptides	#Unique	Description
79	cds.comp99320_c0_seq1 m.26025	2	2	A1KXH2_DERFA Der f 1 allergen
79	cds.comp106751_c0_seq1 m.32734	2	2	no hit
79	cds.comp114973_c0_seq1 m.38346	2	2	Der f 36
80	Der f 2.0108	9	9	Der f 2.0108
80	cds.comp80154_c0_seq1 m.18914	5	5	Der f 35
80	cds.comp103521_c0_seq1 m.29903	4	4	Q66RP5_TYRPU Fatty acid-biding protein
80	Der f 22.0101	4	4	Der f 22.0101
80	cds.comp599_c0_seq1 m.238	2	2	B7Q9T4_IXOSC Peptidyl-prolyl cis-trans isomerase
80	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
80	cds.comp151211_c0_seq1 m.51394	2	2	no hit
80	cds.comp86748_c0_seq1 m.20317	2	2	G6CVS9_DANPL Legumaturain
80	cds.comp106751_c0_seq1 m.32734	2	2	no hit
80	cds.comp114969_c0_seq1 m.38342	2	2	Der f 36
81	Der f 2.0108	8	8	Der f 2.0108
81	cds.comp80154_c0_seq1 m.18914	8	8	Der f 35
81	cds.comp103521_c0_seq1 m.29903	5	5	Q66RP5_TYRPU Fatty acid-biding protein
81	Der f 22.0101	4	4	Der f 22.0101
81	cds.comp9078_c0_seq1 m.2192	2	2	E9HLI4_DAPPU Putative uncharacterized protein
81	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen

Spot number	Accession	#Peptides	#Unique	Description
81	cds.comp151211_c0_seq1 m.51394	2	2	no hit
81	cds.comp86748_c0_seq1 m.20317	2	2	G6CVS9_DANPL Legumaturain
82	cds.comp80154_c0_seq1 m.18914	8	8	Der f 35
82	Der f 2.0108	6	6	Der f 2.0108
82	cds.comp103521_c0_seq1 m.29903	4	4	Q66RP5_TYRPU Fatty acid-biding protein
82	Der f 22.0101	4	4	Der f 22.0101
82	cds.comp99324_c0_seq1 m.26033	2	2	A1KXH2_DERFA Der f 1 allergen
83	Der f 2.0108	12	12	Der f 2.0108
83	cds.comp54969_c0_seq1 m.13319	9	9	B7Q1I8_IXOSC Rho GDP dissociation inhibitor putative Flags: Fragment
83	Der f 22.0101	5	5	Der f 22.0101
83	cds.comp110765_c0_seq1 m.35562	4	4	F4YSY7_9DIPT Putative peroxiredoxin
83	cds.comp114969_c0_seq1 m.38342	4	4	Der f 36
83	cds.comp107643_c0_seq1 m.33453	2	2	D3TS01_GLOMM Nucleoside diphosphate kinase
83	cds.comp99077_c0_seq1 m.25746	2	2	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
83	cds.comp80154_c0_seq1 m.18914	2	2	Der f 35
83	Der f 1.0104	2	2	Der f 1.0104
84	Der f 2.0108	10	10	Der f 2.0108
84	cds.comp110765_c0_seq1 m.35562	6	6	F4YSY7_9DIPT Putative peroxiredoxin
84	Der f 22.0101	4	4	Der f 22.0101

Spot number	Accession	#Peptides	#Unique	Description
84	Der f 1.0104	4	4	Der f 1.0104
84	cds.comp114969_c0_seq1 m.38342	4	4	Der f 36
84	cds.comp103307_c0_seq1 m.29701	3	3	B7P417_IXOSC Peritrophic membrane chitin binding protein putative
84	cds.comp80154_c0_seq1 m.18914	2	2	Der f 35
84	cds.comp83879_c0_seq1 m.19673	2	2	R4G3J7_RHOPR Putative gamma interferon inducible lysosomal thiol reductase gilt
84	cds.comp102658_c0_seq1 m.28914	2	2	B4JZU2_DROGR Bt
85	Der f 2.0108	11	11	Der f 2.0108
85	Der f 22.0101	4	4	Der f 22.0101
85	Der f 1.0104	3	3	Der f 1.0104
86	Der f 2.0108	15	2	Der f 2.0108
86	Der f 2.0107	14	0	Der f 2.0107
86	Der f 2.0102	13	0	Der f 2.0102
86	Der f 2.0109	12	0	Der f 2.0109
86	cds.comp114973_c0_seq1 m.38346	5	5	Der f 36
86	Der f 22.0101	3	3	Der f 22.0101
87	Der f 2.0108	6	6	Der f 2.0108
87	Der f 22.0101	5	5	Der f 22.0101
87	cds.comp102528_c0_seq1 m.28816	5	5	Der f 34
87	cds.comp151211_c0_seq1 m.51394	4	4	no hit

Spot number	Accession	#Peptides	#Unique	Description
87	Der f 1.0104	3	3	Der f 1.0104
87	Der f 14.0101	3	3	Der f 14.0101
87	cds.comp96036_c0_seq1 m.22609	2	2	E3UKG7_ERISI Ubiquitin b SubName: Full=Ubiquitin/ribosomal L40 fusion protein
87	cds.comp128016_c0_seq1 m.44537	2	2	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
88	cds.comp107298_c0_seq1 m.33085	4	4	CYTL_TACTR L-cystatin Flags: Precursor
88	Der f 22.0101	4	4	Der f 22.0101
88	Der f 2.0107	2	2	Der f 2.0107
88	cds.comp113929_c0_seq1 m.37815	2	2	B4L991_DROMO GI16804
89	Der f 22.0101	7	7	Der f 22.0101
89	Der f 2.0108	5	1	Der f 2.0108
89	Der f 2.0109	5	1	Der f 2.0109
89	cds.comp107299_c0_seq1 m.33086	2	2	CYTL_TACTR L-cystatin Flags: Precursor
89	cds.comp102527_c0_seq1 m.28815	2	2	Der f 35
90	cds.comp151211_c0_seq1 m.51394	6	6	no hit
90	cds.comp848_c0_seq1 m.291	4	4	Q9GUA9_AMBAM Macrophage migration inhibitory factor
90	Der f 22.0101	3	3	Der f 22.0101
90	cds.comp128013_c0_seq1 m.44526	3	3	B7P3P0_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
90	cds.comp128016_c0_seq1 m.44537	3	3	B7P3P1_IXOSC Cathepsin B endopeptidase putative EC=3.4.22.1
91	cds.comp99077_c0_seq1 m.25746	2	2	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme

Spot number	Accession	#Peptides	#Unique	Description
91	cds.comp25488_c0_seq1 m.6081	2	2	no hit
92	cds.comp99077_c0_seq1 m.25746	2	2	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
93	cds.comp105191_c0_seq1 m.31572	13	13	L7M0B5_9ACAR Putative beta-glucocerebrosidase
93	Der f 4.0101	7	7	Der f 4.0101
93	cds.comp41295_c0_seq1 m.9906	6	6	B7QC45_IXOSC Acetylcholinesterase putative EC=3.1.1.7 Flags: Fragment
93	cds.comp97082_c0_seq1 m.23801	5	5	B7PNW7_IXOSC Beta-glucocerebrosidase putative EC=3.2.1.45
93	cds.comp13305_c0_seq1 m.3171	3	3	B3TFG6_9ACAR Esterase TCE1
93	cds.comp32305_c0_seq1 m.7703	3	3	E2ABS8_CAMFO Lysosomal alpha-mannosidase
93	cds.comp113240_c0_seq1 m.37386	2	2	Q8ISH5_ARAVE Chitinase
94	cds.comp105191_c0_seq1 m.31572	12	12	L7M0B5_9ACAR Putative beta-glucocerebrosidase
94	cds.comp119114_c0_seq1 m.40635	12	12	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
94	Der f 4.0101	10	10	Der f 4.0101
94	cds.comp41295_c0_seq1 m.9906	8	8	B7QC45_IXOSC Acetylcholinesterase putative EC=3.1.1.7 Flags: Fragment
94	cds.comp97082_c0_seq1 m.23801	5	5	B7PNW7_IXOSC Beta-glucocerebrosidase putative EC=3.2.1.45
94	cds.comp144500_c0_seq1 m.49975	5	5	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51
94	cds.comp113240_c0_seq1 m.37386	4	4	Q8ISH5_ARAVE Chitinase
94	cds.comp13305_c0_seq1 m.3171	3	3	B3TFG6_9ACAR Esterase TCE1
94	cds.comp108775_c0_seq1 m.34394	3	3	D6WCN1_TRICA Beta-galactosidase EC=3.2.1.23
94	cds.comp103559_c0_seq1 m.29931	3	3	L7M0C6_9ACAR Putative beta-glucocerebrosidase

Spot number	Accession	#Peptides	#Unique	Description
94	cds.comp144163_c0_seq1 m.49905	2	2	Q7PYX7_ANOGA Dihydrolipoyl dehydrogenase EC=1.8.1.4 Flags: Fragment
94	Der f 1.0104	2	2	Der f 1.0104

Spot number	Accession	#Peptides	#Unique	Description
1	cds.comp4291_c0_seq1 m.6618	12	2	E2A599_CAMFO Lysosomal alpha-glucosidase
1	cds.comp11083_c0_seq1 m.19764	8	8	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
1	cds.comp4303_c0_seq1 m.6631	6	2	E2A599_CAMFO Lysosomal alpha-glucosidase
1	cds.comp26721_c0_seq1 m.51414	5	5	G6D1V5_DANPL Putative lysosomal alpha-mannosidase
1	cds.comp61015_c0_seq1 m.113575	5	5	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
1	cds.comp61010_c0_seq1 m.113566	4	4	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
1	cds.comp112467_c0_seq1 m.190255	4	4	L7M4Z6_9ACAR Putative beta-mannosidase
1	cds.comp114923_c0_seq1 m.194060	2	2	Q9Y197_DERPT Alpha-amylase Flags: Fragment
1	cds.comp86986_c0_seq1 m.155830	2	2	no hit
2	cds.comp4299_c0_seq1 m.6626	14	0	E2A599_CAMFO Lysosomal alpha-glucosidase
2	cds.comp4291_c0_seq1 m.6618	11	0	E2A599_CAMFO Lysosomal alpha-glucosidase
2	cds.comp4287_c0_seq1 m.6614	8	0	F4WH36_ACREC Lysosomal alpha-glucosidase
2	cds.comp4292_c0_seq1 m.6619	8	0	E2A599_CAMFO Lysosomal alpha-glucosidase
2	cds.comp4316_c0_seq1 m.6655	7	0	F4WH36_ACREC Lysosomal alpha-glucosidase
2	cds.comp4313_c0_seq1 m.6652	7	0	F4WH36_ACREC Lysosomal alpha-glucosidase
2	cds.comp11083_c0_seq1 m.19764	6	6	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
2	cds.comp4303_c0_seq1 m.6631	5	5	E2A599_CAMFO Lysosomal alpha-glucosidase
2	cds.comp26721_c0_seq1 m.51414	5	5	G6D1V5_DANPL Putative lysosomal alpha-mannosidase
2	cds.comp4286_c0_seq1 m.6613	4	1	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment

Spot number	Accession	#Peptides	#Unique	Description
2	cds.comp61010_c0_seq1 m.113566	3	3	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
2	cds.comp4307_c0_seq1 m.6644	2	1	K7IPK3_NASVI Uncharacterized protein
2	cds.comp61015_c0_seq1 m.113575	2	2	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
3	cds.comp4299_c0_seq1 m.6626	13	0	E2A599_CAMFO Lysosomal alpha-glucosidase
3	cds.comp26723_c0_seq1 m.51416	8	8	Q5TS83_ANOGA AGAP008584-PA
3	cds.comp4292_c0_seq1 m.6619	8	0	E2A599_CAMFO Lysosomal alpha-glucosidase
3	cds.comp61024_c0_seq1 m.113597	7	7	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
3	cds.comp61025_c0_seq1 m.113599	7	7	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
3	cds.comp61011_c0_seq1 m.113567	7	7	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
3	cds.comp61027_c0_seq1 m.113603	7	7	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
3	cds.comp61023_c0_seq1 m.113595	7	7	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
3	cds.comp61016_c0_seq1 m.113577	4	4	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
3	cds.comp115052_c0_seq1 m.194257	3	3	E2BBG1_HARSA Filamin-C
3	cds.comp4307_c0_seq1 m.6644	2	1	K7IPK3_NASVI Uncharacterized protein
3	cds.comp86986_c0_seq1 m.155830	2	2	no hit
3	cds.comp114923_c0_seq1 m.194060	2	2	Q9Y197_DERPT Alpha-amylase Flags: Fragment
3	cds.comp4305_c0_seq1 m.6636	2	0	F4WH36_ACREC Lysosomal alpha-glucosidase
3	cds.comp61018_c0_seq1 m.113586	2	2	E0VY04_PEDHC Prolyl endopeptidase putative EC=3.4.21.26
4	cds.comp4299_c0_seq1 m.6626	8	0	E2A599_CAMFO Lysosomal alpha-glucosidase

Spot number	Accession	#Peptides	#Unique	Description
4	cds.comp4291_c0_seq1 m.6618	8	0	E2A599_CAMFO Lysosomal alpha-glucosidase
4	cds.comp4287_c0_seq1 m.6614	6	0	F4WH36_ACREC Lysosomal alpha-glucosidase
4	cds.comp4303_c0_seq1 m.6631	6	1	E2A599_CAMFO Lysosomal alpha-glucosidase
4	cds.comp4313_c0_seq1 m.6652	5	0	F4WH36_ACREC Lysosomal alpha-glucosidase
4	cds.comp11083_c0_seq1 m.19764	5	5	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
4	cds.comp4301_c0_seq1 m.6629	5	0	L7M201_9ACAR Putative glucosidase ii catalytic alpha subunit
4	cds.comp26721_c0_seq1 m.51414	5	5	G6D1V5_DANPL Putative lysosomal alpha-mannosidase
4	cds.comp4292_c0_seq1 m.6619	5	0	E2A599_CAMFO Lysosomal alpha-glucosidase
4	cds.comp4316_c0_seq1 m.6655	4	0	F4WH36_ACREC Lysosomal alpha-glucosidase
4	cds.comp61015_c0_seq1 m.113575	4	4	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
4	cds.comp61010_c0_seq1 m.113566	4	4	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
4	cds.comp4286_c0_seq1 m.6613	3	1	E2BEF1_HARSA Lysosomal alpha-glucosidase Flags: Fragment
4	cds.comp112467_c0_seq1 m.190255	3	3	L7M4Z6_9ACAR Putative beta-mannosidase
4	cds.comp86986_c0_seq1 m.155830	3	3	no hit
4	cds.comp115052_c0_seq1 m.194257	3	3	E2BBG1_HARSA Filamin-C
4	cds.comp114923_c0_seq1 m.194060	3	3	Q9Y197_DERPT Alpha-amylase Flags: Fragment
4	cds.comp4307_c0_seq1 m.6644	2	1	K7IPK3_NASVI Uncharacterized protein
4	cds.comp4305_c0_seq1 m.6636	2	0	F4WH36_ACREC Lysosomal alpha-glucosidase
5	Der p 15.0101	25	2	Q4JK69_DERPT Group 15 allergen protein short isoform OS=Dermatophagoides pteronyssinus PE=2 SV=1

Spot number	Accession	#Peptides	#Unique	Description
5	cds.comp57250_c0_seq1 m.106674	24	1	Q4JK69_DERPT Group 15 allergen protein short isoform
5	cds.comp44312_c0_seq1 m.83626	13	13	B4MDC5_DROVI GJ16197
5	cds.comp113853_c0_seq1 m.192441	10	10	no hit
5	cds.comp4299_c0_seq1 m.6626	9	1	E2A599_CAMFO Lysosomal alpha-glucosidase
5	cds.comp113522_c0_seq1 m.191885	8	8	B0WIN7_CULQU Peritrophic membrane chitin binding protein
5	cds.comp117832_c0_seq1 m.197937	8	8	B4LCX5_DROVI GJ12921
5	cds.comp101940_c0_seq1 m.176964	8	8	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
5	cds.comp4291_c0_seq1 m.6618	7	0	E2A599_CAMFO Lysosomal alpha-glucosidase
5	cds.comp4303_c0_seq1 m.6631	6	6	E2A599_CAMFO Lysosomal alpha-glucosidase
5	cds.comp4293_c0_seq1 m.6621	6	0	E2A599_CAMFO Lysosomal alpha-glucosidase
5	cds.comp109962_c0_seq1 m.187492	5	5	B4PPZ1_DROYA GE26259
5	cds.comp86986_c0_seq1 m.155830	5	5	no hit
5	cds.comp11083_c0_seq1 m.19764	4	4	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
5	cds.comp114213_c0_seq1 m.193079	3	3	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
5	cds.comp136643_c0_seq1 m.214661	3	3	E2C2J9_HARSA Pancreatic triacylglycerol lipase
5	cds.comp75194_c0_seq1 m.137402	3	3	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
5	cds.comp26721_c0_seq1 m.51414	3	3	G6D1V5_DANPL Putative lysosomal alpha-mannosidase
5	cds.comp86161_c0_seq1 m.154648	3	2	D6WGZ1_TRICA Cathepsin B
5	cds.comp93718_c0_seq1 m.166217	3	3	ACES_ANOGA Acetylcholinesterase Short=AChE EC=3.1.1.7 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
5	cds.comp118497_c0_seq1 m.198756	3	3	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein
5	cds.comp86983_c0_seq1 m.155817	2	2	no hit
5	cds.comp4307_c0_seq1 m.6644	2	1	K7IPK3_NASVI Uncharacterized protein
5	Der p 1.0107	2	2	Der p 1.0107
5	cds.comp86168_c0_seq1 m.154662	2	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
5	cds.comp94280_c0_seq1 m.166903	2	2	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
5	cds.comp71144_c0_seq1 m.130311	2	2	Q4JK71_DERPT Group 18 allergen protein
6	cds.comp57250_c0_seq1 m.106674	24	24	Q4JK69_DERPT Group 15 allergen protein short isoform
6	cds.comp44312_c0_seq1 m.83626	14	14	B4MDC5_DROVI GJ16197
6	cds.comp4299_c0_seq1 m.6626	11	2	E2A599_CAMFO Lysosomal alpha-glucosidase
6	cds.comp113522_c0_seq1 m.191885	10	10	B0WIN7_CULQU Peritrophic membrane chitin binding protein
6	cds.comp117832_c0_seq1 m.197937	10	10	B4LCX5_DROVI GJ12921
6	cds.comp4291_c0_seq1 m.6618	8	0	E2A599_CAMFO Lysosomal alpha-glucosidase
6	cds.comp101940_c0_seq1 m.176964	5	5	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
6	cds.comp109962_c0_seq1 m.187492	4	4	B4PPZ1_DROYA GE26259
6	cds.comp86168_c0_seq1 m.154662	3	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
6	cds.comp136643_c0_seq1 m.214661	3	3	E2C2J9_HARSA Pancreatic triacylglycerol lipase
6	cds.comp114213_c0_seq1 m.193079	3	3	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
6	cds.comp11083_c0_seq1 m.19764	3	3	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment

Spot number	Accession	#Peptides	#Unique	Description
6	Der p 2.0105	3	3	Der p 2.0105
6	cds.comp75194_c0_seq1 m.137402	2	2	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
6	cds.comp93716_c0_seq1 m.166215	2	2	R4ZGQ0_9ACAR Acetylcholinesterase
6	cds.comp86172_c0_seq1 m.154673	2	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
6	cds.comp4307_c0_seq1 m.6644	2	1	K7IPK3_NASVI Uncharacterized protein
6	cds.comp141173_c0_seq1 m.216962	2	2	no hit
6	cds.comp61010_c0_seq1 m.113566	2	2	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
7	cds.comp57250_c0_seq1 m.106674	11	11	Q4JK69_DERPT Group 15 allergen protein short isoform
7	cds.comp44312_c0_seq1 m.83626	8	8	B4MDC5_DROVI GJ16197
7	cds.comp4299_c0_seq1 m.6626	5	1	E2A599_CAMFO Lysosomal alpha-glucosidase
7	cds.comp4291_c0_seq1 m.6618	5	0	E2A599_CAMFO Lysosomal alpha-glucosidase
7	cds.comp117832_c0_seq1 m.197937	4	4	B4LCX5_DROVI GJ12921
7	cds.comp4293_c0_seq1 m.6621	2	0	E2A599_CAMFO Lysosomal alpha-glucosidase
7	cds.comp11083_c0_seq1 m.19764	2	2	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
7	cds.comp113522_c0_seq1 m.191885	2	2	B0WIN7_CULQU Peritrophic membrane chitin binding protein
7	cds.comp114213_c0_seq1 m.193079	2	2	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
7	cds.comp86986_c0_seq1 m.155830	2	2	no hit
8	cds.comp57250_c0_seq1 m.106674	18	18	Q4JK69_DERPT Group 15 allergen protein short isoform
8	cds.comp117832_c0_seq1 m.197937	14	14	B4LCX5_DROVI GJ12921

Spot number	Accession	#Peptides	#Unique	Description
8	cds.comp44312_c0_seq1 m.83626	12	12	B4MDC5_DROVI GJ16197
8	cds.comp4299_c0_seq1 m.6626	7	1	E2A599_CAMFO Lysosomal alpha-glucosidase
8	cds.comp4291_c0_seq1 m.6618	7	1	E2A599_CAMFO Lysosomal alpha-glucosidase
8	cds.comp4303_c0_seq1 m.6631	6	6	E2A599_CAMFO Lysosomal alpha-glucosidase
8	cds.comp114213_c0_seq1 m.193079	4	4	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
8	cds.comp4293_c0_seq1 m.6621	4	0	E2A599_CAMFO Lysosomal alpha-glucosidase
8	cds.comp61010_c0_seq1 m.113566	4	4	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
8	cds.comp86986_c0_seq1 m.155830	3	3	no hit
8	cds.comp113522_c0_seq1 m.191885	3	3	B0WIN7_CULQU Peritrophic membrane chitin binding protein
8	cds.comp61015_c0_seq1 m.113575	3	3	G6CKF6_DANPL Putative prolyl endopeptidase isoform 1
8	cds.comp11083_c0_seq1 m.19764	2	2	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
8	cds.comp4307_c0_seq1 m.6644	2	1	K7IPK3_NASVI Uncharacterized protein
8	cds.comp26721_c0_seq1 m.51414	2	2	G6D1V5_DANPL Putative lysosomal alpha-mannosidase
8	cds.comp75194_c0_seq1 m.137402	2	2	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
8	cds.comp86983_c0_seq1 m.155817	2	2	comp86983_c0_seq1 g.155817 ORF comp86983_c0_seq1 g.155817 comp86983_c0_seq1 m.155817 type:5prime_partial len:87 (-) comp86983_c0_seq1:2532-2792(-)NoHit
8	cds.comp113849_c0_seq1 m.192438	2	2	no hit
8	cds.comp9912_c0_seq1 m.17778	2	2	Q0KKA6_HAELO Leucine aminopeptidase
8	cds.comp61009_c0_seq1 m.113564	2	2	B7PDF5_IXOSC Prolyl endopeptidase putative EC=3.4.21.26
9	cds.comp113522_c0_seq1 m.191885	27	27	B0WIN7_CULQU Peritrophic membrane chitin binding protein

Spot number	Accession	#Peptides	#Unique	Description
9	cds.comp136643_c0_seq1 m.214661	19	19	E2C2J9_HARSA Pancreatic triacylglycerol lipase
9	cds.comp57250_c0_seq1 m.106674	18	17	Q4JK69_DERPT Group 15 allergen protein short isoform
9	cds.comp109962_c0_seq1 m.187492	13	13	B4PPZ1_DROYA GE26259
9	cds.comp4299_c0_seq1 m.6626	7	2	E2A599_CAMFO Lysosomal alpha-glucosidase
9	cds.comp4291_c0_seq1 m.6618	5	0	E2A599_CAMFO Lysosomal alpha-glucosidase
9	cds.comp101940_c0_seq1 m.176964	4	4	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
9	cds.comp86986_c0_seq1 m.155830	4	4	no hit
9	cds.comp4303_c0_seq1 m.6631	3	3	E2A599_CAMFO Lysosomal alpha-glucosidase
9	cds.comp114213_c0_seq1 m.193079	3	3	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
9	cds.comp4293_c0_seq1 m.6621	3	0	E2A599_CAMFO Lysosomal alpha-glucosidase
9	cds.comp86983_c0_seq1 m.155817	2	2	no hit
9	cds.comp86172_c0_seq1 m.154673	2	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
10	cds.comp113522_c0_seq1 m.191885	30	30	B0WIN7_CULQU Peritrophic membrane chitin binding protein
10	cds.comp109962_c0_seq1 m.187492	19	19	B4PPZ1_DROYA GE26259
10	cds.comp136643_c0_seq1 m.214661	18	18	E2C2J9_HARSA Pancreatic triacylglycerol lipase
10	cds.comp57250_c0_seq1 m.106674	17	17	Q4JK69_DERPT Group 15 allergen protein short isoform
10	cds.comp101938_c0_seq1 m.176963	9	9	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
10	cds.comp4299_c0_seq1 m.6626	7	1	E2A599_CAMFO Lysosomal alpha-glucosidase
10	cds.comp4291_c0_seq1 m.6618	6	0	E2A599_CAMFO Lysosomal alpha-glucosidase

Spot number	Accession	#Peptides	#Unique	Description
10	cds.comp86986_c0_seq1 m.155830	5	5	no hit
10	cds.comp4303_c0_seq1 m.6631	4	4	E2A599_CAMFO Lysosomal alpha-glucosidase
10	cds.comp4292_c0_seq1 m.6619	4	0	E2A599_CAMFO Lysosomal alpha-glucosidase
10	cds.comp114213_c0_seq1 m.193079	3	3	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
10	cds.comp86983_c0_seq1 m.155817	2	2	no hit
10	cds.comp86172_c0_seq1 m.154673	2	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
10	cds.comp70036_c0_seq1 m.128549	2	2	B4Q0A3_DROYA GE15791
10	cds.comp44312_c0_seq1 m.83626	2	2	B4MDC5_DROVI GJ16197
11	cds.comp113522_c0_seq1 m.191885	20	20	B0WIN7_CULQU Peritrophic membrane chitin binding protein
11	cds.comp57250_c0_seq1 m.106674	13	13	Q4JK69_DERPT Group 15 allergen protein short isoform
11	cds.comp136643_c0_seq1 m.214661	12	12	E2C2J9_HARSA Pancreatic triacylglycerol lipase
11	cds.comp109962_c0_seq1 m.187492	8	8	B4PPZ1_DROYA GE26259
11	cds.comp101938_c0_seq1 m.176963	8	8	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
11	cds.comp4299_c0_seq1 m.6626	4	1	E2A599_CAMFO Lysosomal alpha-glucosidase
11	cds.comp4291_c0_seq1 m.6618	3	0	E2A599_CAMFO Lysosomal alpha-glucosidase
11	cds.comp86986_c0_seq1 m.155830	3	3	no hit
11	cds.comp114213_c0_seq1 m.193079	2	2	Q9U6R7_DERFA 98kDa HDM allergen SubName: Full=Group 15 allergen Der f 15
11	cds.comp86983_c0_seq1 m.155817	2	2	no hit
12				no identification

Spot number	Accession	#Peptides	#Unique	Description
13	cds.comp101938_c0_seq1 m.176963	29	29	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
13	cds.comp136643_c0_seq1 m.214661	10	10	E2C2J9_HARSA Pancreatic triacylglycerol lipase
13	cds.comp113522_c0_seq1 m.191885	6	6	B0WIN7_CULQU Peritrophic membrane chitin binding protein
13	cds.comp53420_c0_seq1 m.100211	5	5	B4PC03_DROYA GE11380
13	cds.comp15546_c0_seq1 m.28868	4	4	E9G305_DAPPU Putative leukotriene A4 hydrolase EC=3.3.2.6
13	cds.comp110406_c0_seq1 m.187904	4	4	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
13	cds.comp86986_c0_seq1 m.155830	4	4	no hit
13	cds.comp86161_c0_seq1 m.154648	3	2	D6WGZ1_TRICA Cathepsin B
13	cds.comp93718_c0_seq1 m.166217	3	3	ACES_ANOGA Acetylcholinesterase Short=AChE EC=3.1.1.7 Flags: Precursor
13	cds.comp4299_c0_seq1 m.6626	2	1	E2A599_CAMFO Lysosomal alpha-glucosidase
13	Der p 1.0107	2	2	Der p 1.0107
13	cds.comp75194_c0_seq1 m.137402	2	2	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
13	cds.comp57248_c0_seq1 m.106667	2	2	Q4JK70_DERPT Group 15 allergen protein
13	cds.comp86983_c0_seq1 m.155817	2	2	no hit
13	cds.comp141173_c0_seq1 m.216962	2	2	no hit
13	cds.comp11139_c0_seq1 m.19850	2	2	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
13	cds.comp67063_c0_seq1 m.123525	2	2	B7PAR6_IXOSC Heat shock protein putative EC=1.3.1.74
13	cds.comp61603_c0_seq1 m.114501	2	2	G6D480_DANPL Putative ecdysteroid-inducible angiotensin-converting enzyme
13	cds.comp109962_c0_seq1 m.187492	2	2	B4PPZ1_DROYA GE26259

Spot number	Accession	#Peptides	#Unique	Description
13	cds.comp86168_c0_seq1 m.154662	2	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
13	cds.comp112921_c0_seq1 m.190980	2	2	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
13	cds.comp117252_c0_seq1 m.197148	2	2	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
14	cds.comp101938_c0_seq1 m.176963	40	40	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
14	cds.comp136643_c0_seq1 m.214661	12	12	E2C2J9_HARSA Pancreatic triacylglycerol lipase
14	cds.comp113522_c0_seq1 m.191885	7	7	B0WIN7_CULQU Peritrophic membrane chitin binding protein
14	cds.comp4299_c0_seq1 m.6626	6	1	E2A599_CAMFO Lysosomal alpha-glucosidase
14	cds.comp15546_c0_seq1 m.28868	6	6	E9G305_DAPPU Putative leukotriene A4 hydrolase EC=3.3.2.6
14	cds.comp4291_c0_seq1 m.6618	5	0	E2A599_CAMFO Lysosomal alpha-glucosidase
14	cds.comp86986_c0_seq1 m.155830	5	5	no hit
14	cds.comp110406_c0_seq1 m.187904	4	4	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
14	cds.comp141173_c0_seq1 m.216962	4	4	no hit
14	cds.comp4293_c0_seq1 m.6621	4	0	E2A599_CAMFO Lysosomal alpha-glucosidase
14	cds.comp61603_c0_seq1 m.114501	3	3	G6D480_DANPL Putative ecdysteroid-inducible angiotensin-converting enzyme
14	cds.comp75194_c0_seq1 m.137402	3	3	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
14	cds.comp86161_c0_seq1 m.154648	3	2	D6WGZ1_TRICA Cathepsin B
14	cds.comp11139_c0_seq1 m.19850	3	3	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
14	cds.comp109962_c0_seq1 m.187492	3	3	B4PPZ1_DROYA GE26259
14	cds.comp57248_c0_seq1 m.106667	3	3	Q4JK70_DERPT Group 15 allergen protein

Spot number	Accession	#Peptides	#Unique	Description
14	Der p 6.0101	3	3	Der p 6.0101
14	Der p 1.0107	2	2	Der p 1.0107
14	cds.comp86168_c0_seq1 m.154662	2	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
14	cds.comp86983_c0_seq1 m.155817	2	2	no hit
14	cds.comp112921_c0_seq1 m.190980	2	2	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
14	cds.comp71144_c0_seq1 m.130311	2	2	Q4JK71_DERPT Group 18 allergen protein
14	cds.comp141429_c0_seq1 m.217087	2	2	Q155V8_DERFA Der f 6 Flags: Fragment
14	cds.comp117832_c0_seq1 m.197937	2	2	B4LCX5_DROVI GJ12921
14	cds.comp117252_c0_seq1 m.197148	2	2	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
14	cds.comp44313_c0_seq1 m.83628	2	2	no hit
14	cds.comp54249_c0_seq1 m.101582	2	2	no hit
15	cds.comp101938_c0_seq1 m.176963	34	34	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
15	cds.comp136643_c0_seq1 m.214661	8	8	E2C2J9_HARSA Pancreatic triacylglycerol lipase
15	cds.comp113522_c0_seq1 m.191885	8	8	B0WIN7_CULQU Peritrophic membrane chitin binding protein
15	cds.comp15546_c0_seq1 m.28868	7	7	E9G305_DAPPU Putative leukotriene A4 hydrolase EC=3.3.2.6
15	cds.comp86986_c0_seq1 m.155830	6	6	no hit
15	cds.comp109962_c0_seq1 m.187492	5	5	B4PPZ1_DROYA GE26259
15	cds.comp4291_c0_seq1 m.6618	3	0	E2A599_CAMFO Lysosomal alpha-glucosidase
15	cds.comp61603_c0_seq1 m.114501	3	3	G6D480_DANPL Putative ecdysteroid-inducible angiotensin-converting enzyme

Spot number	Accession	#Peptides	#Unique	Description
15	cds.comp110406_c0_seq1 m.187904	3	3	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
15	cds.comp141173_c0_seq1 m.216962	3	3	no hit
15	Der p 1.0107	2	2	Der p 1.0107
15	cds.comp4299_c0_seq1 m.6626	2	0	E2A599_CAMFO Lysosomal alpha-glucosidase
15	cds.comp75194_c0_seq1 m.137402	2	2	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
15	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
15	cds.comp86161_c0_seq1 m.154648	2	1	D6WGZ1_TRICA Cathepsin B
16	cds.comp101938_c0_seq1 m.176963	38	38	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
16	cds.comp136643_c0_seq1 m.214661	9	9	E2C2J9_HARSA Pancreatic triacylglycerol lipase
16	cds.comp4299_c0_seq1 m.6626	6	1	E2A599_CAMFO Lysosomal alpha-glucosidase
16	cds.comp113522_c0_seq1 m.191885	6	6	B0WIN7_CULQU Peritrophic membrane chitin binding protein
16	cds.comp61602_c0_seq1 m.114500	6	6	G6D480_DANPL Putative ecdysteroid-inducible angiotensin-converting enzyme
16	cds.comp15546_c0_seq1 m.28868	5	5	E9G305_DAPPU Putative leukotriene A4 hydrolase EC=3.3.2.6
16	cds.comp86986_c0_seq1 m.155830	5	5	no hit
16	cds.comp4291_c0_seq1 m.6618	4	0	E2A599_CAMFO Lysosomal alpha-glucosidase
16	cds.comp75194_c0_seq1 m.137402	4	4	L7LXZ6_9ACAR Beta-hexosaminidase EC=3.2.1.52
16	cds.comp11139_c0_seq1 m.19850	4	4	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
16	cds.comp4293_c0_seq1 m.6621	4	0	E2A599_CAMFO Lysosomal alpha-glucosidase
16	cds.comp110406_c0_seq1 m.187904	3	3	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase

Spot number	Accession	#Peptides	#Unique	Description
16	cds.comp141173_c0_seq1 m.216962	3	3	no hit
16	cds.comp94280_c0_seq1 m.166903	3	3	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
16	cds.comp26721_c0_seq1 m.51414	3	3	G6D1V5_DANPL Putative lysosomal alpha-mannosidase
16	cds.comp44313_c0_seq1 m.83628	3	3	no hit
16	Der p 1.0107	2	2	Der p 1.0107
16	cds.comp86983_c0_seq1 m.155817	2	2	no hit
16	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
16	cds.comp71144_c0_seq1 m.130311	2	2	Q4JK71_DERPT Group 18 allergen protein
16	cds.comp57248_c0_seq1 m.106667	2	2	Q4JK70_DERPT Group 15 allergen protein
16	cds.comp100616_c0_seq1 m.175216	2	2	F4WLV0_ACREC DNA-directed RNA polymerase EC=2.7.7.6 Flags: Fragment
16	cds.comp54251_c0_seq1 m.101586	2	2	no hit
17	cds.comp9909_c0_seq1 m.17773	12	12	Q0KKA6_HAELO Leucine aminopeptidase
17	cds.comp45515_c0_seq1 m.85694	10	10	B4KNA8_DROMO GI20802
17	cds.comp71144_c0_seq1 m.130311	9	9	Q4JK71_DERPT Group 18 allergen protein
17	cds.comp113522_c0_seq1 m.191885	8	8	B0WIN7_CULQU Peritrophic membrane chitin binding protein
17	cds.comp112630_c0_seq1 m.190474	7	7	L7M384_9ACAR Putative biotinidase and vanin
17	cds.comp90671_c0_seq1 m.161623	6	6	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23
17	cds.comp132356_c0_seq1 m.211874	6	6	E2B4G2_HARSA Plasma alpha-L-fucosidase
17	cds.comp86986_c0_seq1 m.155830	6	6	no hit

Spot number	Accession	#Peptides	#Unique	Description
17	cds.comp27063_c0_seq1 m.52228	5	5	no hit
17	cds.comp126379_c0_seq1 m.206831	5	5	L7M0C6_9ACAR Putative beta-glucocerebrosidase
17	cds.comp56254_c0_seq1 m.105044	5	5	G6CSN9_DANPL Hexokinase
17	cds.comp41866_c0_seq1 m.79355	5	5	no hit
17	cds.comp71718_c0_seq1 m.131367	4	4	C1BPZ3_9MAXI Probable serine carboxypeptidase CPVL
17	cds.comp115055_c0_seq1 m.194263	4	4	E2BBG1_HARSA Filamin-C
17	cds.comp138408_c0_seq1 m.215625	4	4	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
17	cds.comp101940_c0_seq1 m.176964	4	4	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
17	cds.comp26721_c0_seq1 m.51414	4	4	G6D1V5_DANPL Putative lysosomal alpha-mannosidase
17	cds.comp118497_c0_seq1 m.198756	4	4	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein
17	cds.comp11933_c0_seq1 m.21531	4	3	B7PDZ6_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49 Flags: Fragment
17	cds.comp136643_c0_seq1 m.214661	4	4	E2C2J9_HARSA Pancreatic triacylglycerol lipase
17	cds.comp92988_c0_seq1 m.165215	4	4	R4V1A4_COPFO Enolase
17	cds.comp112733_c0_seq1 m.190676	4	4	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
17	cds.comp44313_c0_seq1 m.83628	4	4	no hit
17	cds.comp11139_c0_seq1 m.19850	4	4	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
17	cds.comp53420_c0_seq1 m.100211	4	4	B4PC03_DROYA GE11380
17	cds.comp138947_c0_seq1 m.215905	3	3	E2BBG1_HARSA Filamin-C
17	cds.comp115051_c0_seq1 m.194256	3	3	E2BBG1_HARSA Filamin-C

Spot number	Accession	#Peptides	#Unique	Description
17	cds.comp86168_c0_seq1 m.154662	3	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
17	cds.comp71098_c0_seq1 m.130257	3	2	B4YTT9_9ACAR Heat shock protein 70-2
17	cds.comp56264_c0_seq1 m.105061	3	3	E7D1D8_LATHE Hexokinase Flags: Fragment
17	cds.comp86161_c0_seq1 m.154648	3	2	D6WGZ1_TRICA Cathepsin B
17	cds.comp11934_c0_seq1 m.21532	3	2	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
17	cds.comp112464_c0_seq1 m.190252	3	3	L7M4Z6_9ACAR Putative beta-mannosidase
17	Der p 1.0107	2	2	Der p 1.0107
17	cds.comp110928_c0_seq1 m.188689	2	2	A1KXH7_DERFA Der f Alt a 10 allergen
17	cds.comp67072_c0_seq1 m.123542	2	1	M1KYK4_9HYME Heat shock cognate 70
17	cds.comp86983_c0_seq1 m.155817	2	2	no hit
17	Der p 2.0105	2	2	Der p 2.0105
17	cds.comp117252_c0_seq1 m.197148	2	2	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
17	cds.comp129554_c0_seq1 m.209679	2	2	B7PE53_IXOSC Beta-hexosaminidase EC=3.2.1.52
17	cds.comp4291_c0_seq1 m.6618	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
17	cds.comp112921_c0_seq1 m.190980	2	2	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
17	Der p 6.0101	2	2	Der p 6.0101
18	cds.comp9909_c0_seq1 m.17773	12	12	Q0KKA6_HAELO Leucine aminopeptidase
18	cds.comp45515_c0_seq1 m.85694	11	11	B4KNA8_DROMO GI20802
18	cds.comp71144_c0_seq1 m.130311	8	8	Q4JK71_DERPT Group 18 allergen protein

Spot number	Accession	#Peptides	#Unique	Description
18	cds.comp112630_c0_seq1 m.190474	8	8	L7M384_9ACAR Putative biotinidase and vanin
18	cds.comp113522_c0_seq1 m.191885	7	7	B0WIN7_CULQU Peritrophic membrane chitin binding protein
18	cds.comp92988_c0_seq1 m.165215	7	7	R4V1A4_COPFO Enolase
18	cds.comp53420_c0_seq1 m.100211	7	7	B4PC03_DROYA GE11380
18	cds.comp115055_c0_seq1 m.194263	6	6	E2BBG1_HARSA Filamin-C
18	cds.comp132356_c0_seq1 m.211874	6	6	E2B4G2_HARSA Plasma alpha-L-fucosidase
18	cds.comp11933_c0_seq1 m.21531	6	5	B7PDZ6_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49 Flags: Fragment
18	cds.comp86986_c0_seq1 m.155830	6	6	no hit
18	cds.comp138408_c0_seq1 m.215625	5	5	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
18	Der p 1.0107	4	4	Der p 1.0107
18	cds.comp71718_c0_seq1 m.131367	4	4	C1BPZ3_9MAXI Probable serine carboxypeptidase CPVL
18	cds.comp126379_c0_seq1 m.206831	4	4	L7M0C6_9ACAR Putative beta-glucocerebrosidase
18	cds.comp112733_c0_seq1 m.190676	4	4	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
18	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
18	cds.comp26721_c0_seq1 m.51414	4	4	G6D1V5_DANPL Putative lysosomal alpha-mannosidase
18	cds.comp27063_c0_seq1 m.52228	4	4	no hit
18	cds.comp11934_c0_seq1 m.21532	4	3	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
18	cds.comp86168_c0_seq1 m.154662	3	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
18	cds.comp138947_c0_seq1 m.215905	3	3	E2BBG1_HARSA Filamin-C

Spot number	Accession	#Peptides	#Unique	Description
18	cds.comp11139_c0_seq1 m.19850	3	3	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
18	cds.comp56264_c0_seq1 m.105061	3	3	E7D1D8_LATHE Hexokinase Flags: Fragment
18	cds.comp90671_c0_seq1 m.161623	3	3	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23
18	Der p 6.0101	3	3	Der p 6.0101
18	cds.comp44313_c0_seq1 m.83628	3	3	no hit
18	cds.comp41866_c0_seq1 m.79355	3	3	no hit
18	Der p 2.0105	3	3	Der p 2.0105
18	cds.comp86983_c0_seq1 m.155817	2	2	no hit
18	cds.comp117252_c0_seq1 m.197148	2	2	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
18	cds.comp129554_c0_seq1 m.209679	2	2	B7PE53_IXOSC Beta-hexosaminidase EC=3.2.1.52
18	cds.comp136643_c0_seq1 m.214661	2	2	E2C2J9_HARSA Pancreatic triacylglycerol lipase
18	cds.comp56254_c0_seq1 m.105044	2	2	G6CSN9_DANPL Hexokinase
18	cds.comp101940_c0_seq1 m.176964	2	2	L7M6G1_9ACAR Putative dipeptidylpeptidase 3 strongylocentrotus purpuratus : similar to dipeptidylpeptidase 3
18	cds.comp72130_c0_seq1 m.132048	2	2	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
18	cds.comp8012_c0_seq1 m.14281	2	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
18	cds.comp112464_c0_seq1 m.190252	2	2	L7M4Z6_9ACAR Putative beta-mannosidase
19	cds.comp112921_c0_seq1 m.190980	9	9	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
19	cds.comp45515_c0_seq1 m.85694	9	9	B4KNA8_DROMO GI20802
19	cds.comp113522_c0_seq1 m.191885	9	9	B0WIN7_CULQU Peritrophic membrane chitin binding protein

Spot number	Accession	#Peptides	#Unique	Description
19	cds.comp26723_c0_seq1 m.51416	7	7	Q5TS83_ANOGA AGAP008584-PA
19	cds.comp132356_c0_seq1 m.211874	7	7	E2B4G2_HARSA Plasma alpha-L-fucosidase
19	cds.comp71144_c0_seq1 m.130311	6	6	Q4JK71_DERPT Group 18 allergen protein
19	cds.comp11933_c0_seq1 m.21531	6	6	B7PDZ6_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49 Flags: Fragment
19	cds.comp9909_c0_seq1 m.17773	6	6	Q0KKA6_HAELO Leucine aminopeptidase
19	cds.comp126379_c0_seq1 m.206831	5	5	L7M0C6_9ACAR Putative beta-glucocerebrosidase
19	cds.comp136643_c0_seq1 m.214661	5	5	E2C2J9_HARSA Pancreatic triacylglycerol lipase
19	cds.comp90671_c0_seq1 m.161623	5	5	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23
19	cds.comp11139_c0_seq1 m.19850	4	4	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
19	cds.comp86986_c0_seq1 m.155830	4	4	no hit
19	cds.comp112733_c0_seq1 m.190676	4	4	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
19	cds.comp138408_c0_seq1 m.215625	3	3	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
19	cds.comp115055_c0_seq1 m.194263	3	3	E2BBG1_HARSA Filamin-C
19	cds.comp44313_c0_seq1 m.83628	3	3	no hit
19	cds.comp86168_c0_seq1 m.154662	3	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
19	cds.comp11934_c0_seq1 m.21532	3	3	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
19	cds.comp27063_c0_seq1 m.52228	3	3	no hit
19	cds.comp86161_c0_seq1 m.154648	3	2	D6WGZ1_TRICA Cathepsin B
19	Der p 1.0107	2	2	Der p 1.0107

Spot number	Accession	#Peptides	#Unique	Description
19	cds.comp71718_c0_seq1 m.131367	2	2	C1BPZ3_9MAXI Probable serine carboxypeptidase CPVL
19	cds.comp86983_c0_seq1 m.155817	2	2	no hit
19	cds.comp67063_c0_seq1 m.123525	2	2	B7PAR6_IXOSC Heat shock protein putative EC=1.3.1.74
19	cds.comp11004_c0_seq1 m.19621	2	2	E0VRZ4_PEDHC Predicted protein
19	cds.comp138947_c0_seq1 m.215905	2	2	E2BBG1_HARSA Filamin-C
20	cds.comp45515_c0_seq1 m.85694	13	13	B4KNA8_DROMO GI20802
20	cds.comp112921_c0_seq1 m.190980	10	10	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
20	cds.comp132356_c0_seq1 m.211874	10	10	E2B4G2_HARSA Plasma alpha-L-fucosidase
20	cds.comp126379_c0_seq1 m.206831	10	10	L7M0C6_9ACAR Putative beta-glucocerebrosidase
20	cds.comp26723_c0_seq1 m.51416	10	10	Q5TS83_ANOGA AGAP008584-PA
20	cds.comp9909_c0_seq1 m.17773	9	9	Q0KKA6_HAELO Leucine aminopeptidase
20	cds.comp11933_c0_seq1 m.21531	5	5	B7PDZ6_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49 Flags: Fragment
20	cds.comp112733_c0_seq1 m.190676	5	5	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
20	cds.comp113522_c0_seq1 m.191885	5	5	B0WIN7_CULQU Peritrophic membrane chitin binding protein
20	cds.comp86986_c0_seq1 m.155830	5	5	no hit
20	cds.comp11139_c0_seq1 m.19850	5	5	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
20	cds.comp86168_c0_seq1 m.154662	4	4	R4FNL2_RHOPR Putative cathepsin b-like proteinase
20	cds.comp41866_c0_seq1 m.79355	4	4	no hit
20	cds.comp11004_c0_seq1 m.19621	3	3	E0VRZ4_PEDHC Predicted protein

Spot number	Accession	#Peptides	#Unique	Description
20	cds.comp11934_c0_seq1 m.21532	3	3	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
20	cds.comp44312_c0_seq1 m.83626	3	3	B4MDC5_DROVI GJ16197
20	Der p 1.0107	2	2	Der p 1.0107
20	cds.comp138408_c0_seq1 m.215625	2	2	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
20	cds.comp129554_c0_seq1 m.209679	2	2	B7PE53_IXOSC Beta-hexosaminidase EC=3.2.1.52
20	cds.comp86983_c0_seq1 m.155817	2	2	no hit
20	cds.comp136643_c0_seq1 m.214661	2	2	E2C2J9_HARSA Pancreatic triacylglycerol lipase
20	cds.comp136645_c0_seq1 m.214664	2	2	E2C2J9_HARSA Pancreatic triacylglycerol lipase
20	cds.comp112630_c0_seq1 m.190474	2	2	L7M384_9ACAR Putative biotinidase and vanin
20	cds.comp129554_c0_seq1 m.209678	2	2	B7PE53_IXOSC Beta-hexosaminidase EC=3.2.1.52
20	cds.comp92988_c0_seq1 m.165215	2	2	R4V1A4_COPFO Enolase
20	cds.comp148443_c0_seq1 m.219638	2	2	E0W0P0_PEDHC Plasma alpha-L-fucosidase putative EC=3.2.1.51
20	cds.comp53420_c0_seq1 m.100211	2	2	B4PC03_DROYA GE11380
20	cds.comp94280_c0_seq1 m.166903	2	2	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
20	cds.comp92389_c0_seq1 m.164353	2	2	D6WCM8_TRICA Beta-galactosidase EC=3.2.1.23
20	cds.comp27085_c0_seq1 m.52277	2	2	no hit
21	cds.comp45515_c0_seq1 m.85694	11	11	B4KNA8_DROMO GI20802
21	cds.comp126379_c0_seq1 m.206831	10	10	L7M0C6_9ACAR Putative beta-glucocerebrosidase
21	cds.comp132356_c0_seq1 m.211874	9	9	E2B4G2_HARSA Plasma alpha-L-fucosidase

Spot number	Accession	#Peptides	#Unique	Description
21	cds.comp112921_c0_seq1 m.190980	8	8	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
21	cds.comp115055_c0_seq1 m.194263	8	8	E2BBG1_HARSA Filamin-C
21	cds.comp26723_c0_seq1 m.51416	8	8	Q5TS83_ANOGA AGAP008584-PA
21	cds.comp86986_c0_seq1 m.155830	4	4	no hit
21	cds.comp11933_c0_seq1 m.21531	4	4	B7PDZ6_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49 Flags: Fragment
21	Der p 1.0107	3	3	Der p 1.0107
21	cds.comp86164_c0_seq1 m.154651	3	3	B0W0V3_CULQU Cathepsin L
21	cds.comp9909_c0_seq1 m.17773	3	3	Q0KKA6_HAELO Leucine aminopeptidase
21	cds.comp138947_c0_seq1 m.215905	3	3	E2BBG1_HARSA Filamin-C
21	cds.comp112846_c0_seq1 m.190822	2	2	L7M118_9ACAR Putative purple acid phosphatase
21	cds.comp83774_c0_seq1 m.150923	2	2	L7MD56_9ACAR Putative neural cell adhesion molecule I1 Flags: Fragment
21	cds.comp144454_c0_seq1 m.218370	2	2	B7PZG8_IXOSC Aldehyde dehydrogenase putative EC=1.2.1.3
21	cds.comp11004_c0_seq1 m.19621	2	2	E0VRZ4_PEDHC Predicted protein
21	cds.comp138408_c0_seq1 m.215625	2	2	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
21	cds.comp112733_c0_seq1 m.190676	2	2	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3
21	cds.comp129554_c0_seq1 m.209679	2	2	B7PE53_IXOSC Beta-hexosaminidase EC=3.2.1.52
21	cds.comp11139_c0_seq1 m.19850	2	2	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
21	cds.comp86983_c0_seq1 m.155817	2	2	no hit
21	cds.comp11934_c0_seq1 m.21532	2	2	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49

Spot number	Accession	#Peptides	#Unique	Description
21	cds.comp92389_c0_seq1 m.164353	2	2	D6WCM8_TRICA Beta-galactosidase EC=3.2.1.23
21	cds.comp27085_c0_seq1 m.52277	2	2	no hit
21	cds.comp44313_c0_seq1 m.83628	2	2	no hit
21	cds.comp136643_c0_seq1 m.214661	2	2	E2C2J9_HARSA Pancreatic triacylglycerol lipase
21	cds.comp58725_c0_seq1 m.109492	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
22	cds.comp132356_c0_seq1 m.211874	13	13	E2B4G2_HARSA Plasma alpha-L-fucosidase
22	cds.comp9909_c0_seq1 m.17773	12	12	Q0KKA6_HAELO Leucine aminopeptidase
22	cds.comp126379_c0_seq1 m.206831	11	11	L7M0C6_9ACAR Putative beta-glucocerebrosidase
22	cds.comp45515_c0_seq1 m.85694	10	10	B4KNA8_DROMO GI20802
22	cds.comp112921_c0_seq1 m.190980	9	9	B7PB45_IXOSC Transferrin receptor putative EC=3.4.11.10
22	cds.comp26723_c0_seq1 m.51416	7	7	Q5TS83_ANOGA AGAP008584-PA
22	cds.comp11933_c0_seq1 m.21531	7	7	B7PDZ6_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49 Flags: Fragment
22	cds.comp112846_c0_seq1 m.190822	7	7	L7M118_9ACAR Putative purple acid phosphatase
22	cds.comp11004_c0_seq1 m.19621	6	6	E0VRZ4_PEDHC Predicted protein
22	cds.comp92988_c0_seq1 m.165215	6	6	R4V1A4_COPFO Enolase
22	cds.comp134935_c0_seq1 m.213543	5	2	L7M118_9ACAR Putative purple acid phosphatase
22	cds.comp86986_c0_seq1 m.155830	5	5	no hit
22	cds.comp144455_c0_seq1 m.218371	4	4	B7PZG8_IXOSC Aldehyde dehydrogenase putative EC=1.2.1.3
22	cds.comp112733_c0_seq1 m.190676	4	4	B7P9Z3_IXOSC Phosphoribosylformylglycinamide synthase putative EC=6.3.5.3

Spot number	Accession	#Peptides	#Unique	Description
22	cds.comp134934_c0_seq1 m.213541	4	0	L7M118_9ACAR Putative purple acid phosphatase
22	cds.comp134948_c0_seq1 m.213564	4	4	E0VLI0_PEDHC Purple acid phosphatase putative
22	cds.comp11139_c0_seq1 m.19850	4	4	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
22	cds.comp11934_c0_seq1 m.21532	3	3	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
22	cds.comp122816_c0_seq1 m.203611	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
22	cds.comp92389_c0_seq1 m.164353	3	3	D6WCM8_TRICA Beta-galactosidase EC=3.2.1.23
22	cds.comp44313_c0_seq1 m.83628	3	3	no hit
22	cds.comp129554_c0_seq1 m.209678	3	3	B7PE53_IXOSC Beta-hexosaminidase EC=3.2.1.52
22	Der p 1.0107	2	2	Der p 1.0107
22	cds.comp129554_c0_seq1 m.209679	2	2	B7PE53_IXOSC Beta-hexosaminidase EC=3.2.1.52
22	cds.comp86983_c0_seq1 m.155817	2	2	no hit
22	cds.comp115051_c0_seq1 m.194256	2	2	E2BBG1_HARSA Filamin-C
22	cds.comp86164_c0_seq1 m.154651	2	2	B0W0V3_CULQU Cathepsin L
22	cds.comp113522_c0_seq1 m.191885	2	2	B0WIN7_CULQU Peritrophic membrane chitin binding protein
22	cds.comp58725_c0_seq1 m.109492	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
22	cds.comp94280_c0_seq1 m.166903	2	2	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
22	cds.comp134938_c0_seq1 m.213549	2	1	E0VL88_PEDHC Acid phosphatase putative
22	cds.comp57967_c0_seq1 m.107892	2	2	MMSA_AEDAE Probable methylmalonate-semialdehyde dehydrogenase [acylating] mitochondrial Short=MMSDH Short=Malonate-semialdehyde dehydrogenase [acylating] EC=1.2.1.18 EC=1.2.1.27 Flags: Precursor
22	cds.comp27085_c0_seq1 m.52277	2	2	no hit

Spot number	Accession	#Peptides	#Unique	Description
23	Der p 4.0101	23	23	Q9Y197_DERPT Alpha-amylase (Fragment) OS=Dermatophagoides pteronyssinus GN=group 4 allergen PE=2 SV=1
23	cds.comp75889_c0_seq1 m.138492	18	18	L7M6V9_9ACAR Putative aldehyde dehydrogenase
23	cds.comp105891_c0_seq1 m.182028	3	3	G3MM22_9ACAR Glucose-6-phosphate isomerase EC=5.3.1.9
23	cds.comp11083_c0_seq1 m.19764	2	2	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
23	cds.comp105893_c0_seq1 m.182033	2	2	Q2F5I6_BOMMO Glucose-6-phosphate isomerase EC=5.3.1.9
23	cds.comp86986_c0_seq1 m.155830	2	2	no hit
23	cds.comp128409_c0_seq1 m.208647	2	2	B7Q1V0_IXOSC Acetylcholinesterase putative EC=3.1.1.7
23	cds.comp69948_c0_seq1 m.128434	2	2	L7MAC6_9ACAR Putative glutamate/leucine/phenylalanine/valine dehydrogenase
23	cds.comp131981_c0_seq1 m.211670	2	2	C1BQY6_9MAXI Arylsulfatase A
23	cds.comp128410_c0_seq1 m.208651	2	2	B7Q9J0_IXOSC Acetylcholinesterase putative EC=3.1.1.7
24	Der p 4.0101	27	27	Q9Y197_DERPT Alpha-amylase (Fragment) OS=Dermatophagoides pteronyssinus GN=group 4 allergen PE=2 SV=1
24	cds.comp75889_c0_seq1 m.138492	19	19	L7M6V9_9ACAR Putative aldehyde dehydrogenase
24	cds.comp105891_c0_seq1 m.182028	6	6	G3MM22_9ACAR Glucose-6-phosphate isomerase EC=5.3.1.9
24	cds.comp105893_c0_seq1 m.182033	4	4	Q2F5I6_BOMMO Glucose-6-phosphate isomerase EC=5.3.1.9
24	cds.comp128410_c0_seq1 m.208651	3	3	B7Q9J0_IXOSC Acetylcholinesterase putative EC=3.1.1.7
24	cds.comp128409_c0_seq1 m.208647	2	2	B7Q1V0_IXOSC Acetylcholinesterase putative EC=3.1.1.7
24	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
24	cds.comp86986_c0_seq1 m.155830	2	2	no hit
24	cds.comp11085_c0_seq1 m.19768	2	2	F4W8Y5_ACREC Lysosomal alpha-mannosidase

Spot number	Accession	#Peptides	#Unique	Description
24	cds.comp11083_c0_seq1 m.19764	2	2	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
24	cds.comp69948_c0_seq1 m.128434	2	2	L7MAC6_9ACAR Putative glutamate/leucine/phenylalanine/valine dehydrogenase
24	cds.comp92389_c0_seq1 m.164353	2	2	D6WCM8_TRICA Beta-galactosidase EC=3.2.1.23
25	cds.comp114923_c0_seq1 m.194060	27	27	Q9Y197_DERPT Alpha-amylase Flags: Fragment
25	cds.comp75889_c0_seq1 m.138492	25	25	L7M6V9_9ACAR Putative aldehyde dehydrogenase
25	cds.comp105893_c0_seq1 m.182032	5	5	G6CUI0_DANPL Glucose-6-phosphate isomerase EC=5.3.1.9
25	cds.comp86986_c0_seq1 m.155830	5	5	no hit
25	cds.comp128410_c0_seq1 m.208651	4	4	B7Q9J0_IXOSC Acetylcholinesterase putative EC=3.1.1.7
25	cds.comp105893_c0_seq1 m.182033	4	4	Q2F5I6_BOMMO Glucose-6-phosphate isomerase EC=5.3.1.9
25	cds.comp128409_c0_seq1 m.208647	3	3	B7Q1V0_IXOSC Acetylcholinesterase putative EC=3.1.1.7
25	cds.comp11083_c0_seq1 m.19764	2	2	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
25	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
25	cds.comp109962_c0_seq1 m.187492	2	2	B4PPZ1_DROYA GE26259
25	cds.comp72130_c0_seq1 m.132048	2	2	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
26	cds.comp92988_c0_seq1 m.165215	19	19	R4V1A4_COPFO Enolase
26	cds.comp9909_c0_seq1 m.17773	14	14	Q0KKA6_HAELO Leucine aminopeptidase
26	cds.comp45515_c0_seq1 m.85694	7	7	B4KNA8_DROMO GI20802
26	cds.comp122816_c0_seq1 m.203611	6	6	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
26	cds.comp89229_c0_seq1 m.159476	6	6	L7M8R8_9ACAR Adenosylhomocysteinase EC=3.3.1.1

Spot number	Accession	#Peptides	#Unique	Description
26	cds.comp126379_c0_seq1 m.206831	6	6	L7M0C6_9ACAR Putative beta-glucocerebrosidase
26	cds.comp11933_c0_seq1 m.21531	6	6	B7PDZ6_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49 Flags: Fragment
26	cds.comp86986_c0_seq1 m.155830	5	5	no hit
26	cds.comp114923_c0_seq1 m.194060	5	5	Q9Y197_DERPT Alpha-amylase Flags: Fragment
26	Der p 2.0105	4	4	Der p 2.0105
26	cds.comp9900_c0_seq1 m.17754	4	4	E0VXD2_PEDHC Homogentisate 1 2-dioxygenase putative EC=1.13.11.5
26	cds.comp11934_c0_seq1 m.21532	3	3	B7PDZ5_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49
26	cds.comp110406_c0_seq1 m.187904	3	3	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
26	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
26	cds.comp35248_c0_seq1 m.67971	2	2	D3TLY7_GLOMM Putative serine protease
26	cds.comp86983_c0_seq1 m.155817	2	2	no hit
26	cds.comp134948_c0_seq1 m.213564	2	2	E0VLI0_PEDHC Purple acid phosphatase putative
26	cds.comp85284_c0_seq1 m.153344	2	2	B7QMK0_IXOSC Dipeptidyl peptidase IV putative EC=3.4.14.5 Flags: Fragment
26	cds.comp68560_c0_seq1 m.125791	2	2	no hit
26	cds.comp60484_c0_seq1 m.112775	2	2	L7MIP8_9ACAR Putative beta-lactamase Flags: Fragment
26	cds.comp134934_c0_seq1 m.213541	2	0	L7M118_9ACAR Putative purple acid phosphatase
26	cds.comp123134_c0_seq1 m.203950	2	2	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
26	cds.comp68560_c0_seq1 m.125793	2	2	no hit
26	cds.comp130991_c0_seq1 m.210835	2	2	L7MIP8_9ACAR Putative beta-lactamase Flags: Fragment

Spot number	Accession	#Peptides	#Unique	Description
26	cds.comp134938_c0_seq1 m.213549	2	1	E0VL88_PEDHC Acid phosphatase putative
27	cds.comp9909_c0_seq1 m.17773	25	25	Q0KKA6_HAELO Leucine aminopeptidase
27	cds.comp92988_c0_seq1 m.165215	17	17	R4V1A4_COPFO Enolase
27	cds.comp122816_c0_seq1 m.203611	6	6	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
27	cds.comp86986_c0_seq1 m.155830	6	6	no hit
27	cds.comp9900_c0_seq1 m.17754	5	5	E0VXD2_PEDHC Homogentisate 1 2-dioxygenase putative EC=1.13.11.5
27	cds.comp114923_c0_seq1 m.194060	5	5	Q9Y197_DERPT Alpha-amylase Flags: Fragment
27	cds.comp45515_c0_seq1 m.85694	5	5	B4KNA8_DROMO GI20802
27	cds.comp60483_c0_seq1 m.112772	3	3	L7MIP8_9ACAR Putative beta-lactamase Flags: Fragment
27	Der p 2.0105	3	3	Der p 2.0105
27	cds.comp134935_c0_seq1 m.213543	3	1	L7M118_9ACAR Putative purple acid phosphatase
27	cds.comp110406_c0_seq1 m.187904	3	3	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
27	cds.comp134934_c0_seq1 m.213541	3	0	L7M118_9ACAR Putative purple acid phosphatase
27	cds.comp86983_c0_seq1 m.155817	2	2	no hit
27	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
27	cds.comp85287_c0_seq1 m.153349	2	2	B7QMK0_IXOSC Dipeptidyl peptidase IV putative EC=3.4.14.5 Flags: Fragment
27	cds.comp67063_c0_seq1 m.123525	2	2	B7PAR6_IXOSC Heat shock protein putative EC=1.3.1.74
27	cds.comp103018_c0_seq1 m.178616	2	2	E2BUG0_HARSA Titin
27	cds.comp112846_c0_seq1 m.190822	2	2	L7M118_9ACAR Putative purple acid phosphatase

Spot number	Accession	#Peptides	#Unique	Description
27	cds.comp123134_c0_seq1 m.203950	2	2	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
27	cds.comp126380_c0_seq1 m.206833	2	2	L7M0C6_9ACAR Putative beta-glucocerebrosidase
27	cds.comp130991_c0_seq1 m.210835	2	2	L7MIP8_9ACAR Putative beta-lactamase Flags: Fragment
27	cds.comp59793_c0_seq1 m.111642	2	2	Q16M58_AEDAE AAEL012418-PA
27	cds.comp68560_c0_seq1 m.125791	2	2	no hit
27	cds.comp134938_c0_seq1 m.213549	2	1	E0VL88_PEDHC Acid phosphatase putative
28	cds.comp92988_c0_seq1 m.165215	27	27	R4V1A4_COPFO Enolase
28	cds.comp9909_c0_seq1 m.17773	10	10	Q0KKA6_HAELO Leucine aminopeptidase
28	cds.comp9900_c0_seq1 m.17754	7	7	E0VXD2_PEDHC Homogentisate 1 2-dioxygenase putative EC=1.13.11.5
28	cds.comp114923_c0_seq1 m.194060	6	6	Q9Y197_DERPT Alpha-amylase Flags: Fragment
28	cds.comp86986_c0_seq1 m.155830	5	5	no hit
28	cds.comp134948_c0_seq1 m.213564	3	3	E0VLI0_PEDHC Purple acid phosphatase putative
28	cds.comp123134_c0_seq1 m.203950	3	3	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
28	cds.comp110406_c0_seq1 m.187904	3	3	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
28	cds.comp86983_c0_seq1 m.155817	2	2	no hit
28	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
28	cds.comp58725_c0_seq1 m.109492	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
28	cds.comp123115_c0_seq1 m.203925	2	2	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
28	cds.comp85287_c0_seq1 m.153349	2	2	B7QMK0_IXOSC Dipeptidyl peptidase IV putative EC=3.4.14.5 Flags: Fragment

Spot number	Accession	#Peptides	#Unique	Description
28	Der p 2.0105	2	2	Der p 2.0105
28	cds.comp59793_c0_seq1 m.111642	2	2	Q16M58_AEDAE AAEL012418-PA
28	cds.comp68560_c0_seq1 m.125793	2	2	no hit
28	cds.comp130991_c0_seq1 m.210835	2	2	L7MIP8_9ACAR Putative beta-lactamase Flags: Fragment
28	cds.comp134938_c0_seq1 m.213549	2	1	E0VL88_PEDHC Acid phosphatase putative
28	cds.comp68560_c0_seq1 m.125791	2	2	no hit
28	cds.comp27085_c0_seq1 m.52277	2	2	no hit
29	cds.comp85495_c0_seq1 m.153673	17	1	A1KXJ1_BLOTA Blo t Mag29 allergen
29	cds.comp123877_c0_seq1 m.204692	16	16	E2BIZ1_HARSA 4-hydroxyphenylpyruvate dioxygenase
29	cds.comp67049_c0_seq1 m.123493	15	8	F4WTV7_ACREC Heat shock 70 kDa protein cognate 4
29	cds.comp71061_c0_seq1 m.130213	11	1	B4YTU0_9ACAR Heat shock protein 70-3
29	cds.comp85485_c0_seq1 m.153656	10	0	E1ZZW6_CAMFO Heat shock 70 kDa protein cognate 4
29	cds.comp112846_c0_seq1 m.190822	10	10	L7M118_9ACAR Putative purple acid phosphatase
29	cds.comp71098_c0_seq1 m.130257	8	6	B4YTT9_9ACAR Heat shock protein 70-2
29	cds.comp68560_c0_seq1 m.125791	8	8	no hit
29	cds.comp72134_c0_seq1 m.132054	8	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
29	cds.comp72130_c0_seq1 m.132048	8	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
29	cds.comp122816_c0_seq1 m.203611	6	6	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
29	cds.comp86986_c0_seq1 m.155830	6	6	no hit

Spot number	Accession	#Peptides	#Unique	Description
29	cds.comp100562_c0_seq1 m.175130	5	5	B7Q8U6_IXOSC Adenosine kinase putative EC=2.7.1.20
29	cds.comp92422_c0_seq1 m.164417	5	5	I1ZE47_DERPT Heat shock protein cognate 5 Flags: Fragment
29	cds.comp77137_c0_seq1 m.140524	4	0	B7PAR6_IXOSC Heat shock protein putative EC=1.3.1.74
29	Der p 2.0105	4	4	Der p 2.0105
29	cds.comp123134_c0_seq1 m.203950	4	4	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
29	cds.comp129401_c0_seq1 m.209549	4	4	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
29	cds.comp81915_c0_seq1 m.147992	3	3	G9C5G0_SCHGR Aldo-keto reductase Flags: Fragment
29	cds.comp86983_c0_seq1 m.155817	2	2	no hit
29	cds.comp113914_c0_seq1 m.192570	2	2	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
29	Der p 1.0107	2	2	Der p 1.0107
29	cds.comp68560_c0_seq1 m.125793	2	2	no hit
29	cds.comp108715_c0_seq1 m.185926	2	2	E2AX31_CAMFO Nuclear pore membrane glycoprotein 210
29	cds.comp58725_c0_seq1 m.109492	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
29	cds.comp27085_c0_seq1 m.52277	2	2	no hit
29	cds.comp110407_c0_seq1 m.187908	2	2	E9H6P1_DAPPU Putative uncharacterized protein
29	cds.comp108598_c0_seq1 m.185810	2	2	L7LWN9_9ACAR Putative arylsulfatase b
29	cds.comp134938_c0_seq1 m.213549	2	1	E0VL88_PEDHC Acid phosphatase putative
29	cds.comp134934_c0_seq1 m.213541	2	0	L7M118_9ACAR Putative purple acid phosphatase
29	cds.comp134935_c0_seq1 m.213543	2	1	L7M118_9ACAR Putative purple acid phosphatase

Spot number	Accession	#Peptides	#Unique	Description
29	cds.comp59793_c0_seq1 m.111642	2	2	Q16M58_AEDAE AAEL012418-PA
30	cds.comp85495_c0_seq1 m.153673	23	2	A1KXJ1_BLOTA Blo t Mag29 allergen
30	cds.comp67049_c0_seq1 m.123493	15	10	F4WTV7_ACREC Heat shock 70 kDa protein cognate 4
30	cds.comp85485_c0_seq1 m.153656	15	0	E1ZZW6_CAMFO Heat shock 70 kDa protein cognate 4
30	cds.comp71061_c0_seq1 m.130213	11	1	B4YTU0_9ACAR Heat shock protein 70-3
30	cds.comp92422_c0_seq1 m.164417	9	9	I1ZE47_DERPT Heat shock protein cognate 5 Flags: Fragment
30	cds.comp122816_c0_seq1 m.203611	6	6	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
30	cds.comp59793_c0_seq1 m.111642	6	6	Q16M58_AEDAE AAEL012418-PA
30	cds.comp100562_c0_seq1 m.175130	6	6	B7Q8U6_IXOSC Adenosine kinase putative EC=2.7.1.20
30	cds.comp123115_c0_seq1 m.203925	6	6	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
30	cds.comp86986_c0_seq1 m.155830	6	6	no hit
30	cds.comp58725_c0_seq1 m.109492	5	5	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
30	cds.comp81915_c0_seq1 m.147992	5	5	G9C5G0_SCHGR Aldo-keto reductase Flags: Fragment
30	cds.comp112990_c0_seq1 m.191090	5	5	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase
30	cds.comp81913_c0_seq1 m.147990	4	4	R4WD77_9HEMI Aldo-keto reductase
30	Der p 2.0105	3	3	Der p 2.0105
30	cds.comp114923_c0_seq1 m.194060	3	3	Q9Y197_DERPT Alpha-amylase Flags: Fragment
30	cds.comp129401_c0_seq1 m.209549	3	3	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
30	cds.comp72130_c0_seq1 m.132048	3	3	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
30	cds.comp123876_c0_seq1 m.204690	3	3	H9HYH7_ATTCE 4-hydroxyphenylpyruvate dioxygenase
30	cds.comp86983_c0_seq1 m.155817	2	2	no hit
30	cds.comp134935_c0_seq1 m.213543	2	2	L7M118_9ACAR Putative purple acid phosphatase
30	cds.comp78049_c0_seq1 m.141912	2	2	Q9XXZ6_BOMMO Polyubiquitin
30	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
30	cds.comp110407_c0_seq1 m.187908	2	2	E9H6P1_DAPPU Putative uncharacterized protein
30	cds.comp27085_c0_seq1 m.52277	2	2	no hit
30	cds.comp68560_c0_seq1 m.125793	2	2	no hit
30	cds.comp68560_c0_seq1 m.125791	2	2	no hit
30	cds.comp108598_c0_seq1 m.185810	2	2	L7LWN9_9ACAR Putative arylsulfatase b
31	cds.comp85495_c0_seq1 m.153673	24	2	A1KXJ1_BLOTA Blo t Mag29 allergen
31	cds.comp85485_c0_seq1 m.153656	16	0	E1ZZW6_CAMFO Heat shock 70 kDa protein cognate 4
31	cds.comp67049_c0_seq1 m.123493	13	8	F4WTV7_ACREC Heat shock 70 kDa protein cognate 4
31	cds.comp71061_c0_seq1 m.130213	11	1	B4YTU0_9ACAR Heat shock protein 70-3
31	cds.comp92422_c0_seq1 m.164417	11	11	I1ZE47_DERPT Heat shock protein cognate 5 Flags: Fragment
31	cds.comp100562_c0_seq1 m.175130	9	9	B7Q8U6_IXOSC Adenosine kinase putative EC=2.7.1.20
31	cds.comp114923_c0_seq1 m.194060	7	7	Q9Y197_DERPT Alpha-amylase Flags: Fragment
31	cds.comp81915_c0_seq1 m.147992	7	7	G9C5G0_SCHGR Aldo-keto reductase Flags: Fragment
31	cds.comp112990_c0_seq1 m.191090	7	7	L7M2B8_9ACAR Putative n-acylaminoacyl-peptide hydrolase

Spot number	Accession	#Peptides	#Unique	Description
31	cds.comp81913_c0_seq1 m.147990	7	7	R4WD77_9HEMI Aldo-keto reductase
31	cds.comp59793_c0_seq1 m.111642	6	6	Q16M58_AEDAE AAEL012418-PA
31	cds.comp123134_c0_seq1 m.203950	6	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
31	cds.comp86986_c0_seq1 m.155830	6	6	no hit
31	cds.comp123115_c0_seq1 m.203925	5	0	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
31	cds.comp131981_c0_seq1 m.211670	5	5	C1BQY6_9MAXI Arylsulfatase A
31	cds.comp129401_c0_seq1 m.209549	3	3	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
31	cds.comp27063_c0_seq1 m.52228	3	3	no hit
31	cds.comp72133_c0_seq1 m.132053	3	3	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
31	cds.comp86983_c0_seq1 m.155817	2	2	no hit
31	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
31	cds.comp113914_c0_seq1 m.192570	2	2	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
31	cds.comp110407_c0_seq1 m.187908	2	2	E9H6P1_DAPPU Putative uncharacterized protein
31	cds.comp58725_c0_seq1 m.109492	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
31	cds.comp61446_c0_seq1 m.114264	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
31	cds.comp108598_c0_seq1 m.185810	2	2	L7LWN9_9ACAR Putative arylsulfatase b
32	cds.comp58725_c0_seq1 m.109492	12	12	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
32	cds.comp110928_c0_seq1 m.188689	7	7	A1KXH7_DERFA Der f Alt a 10 allergen
32	cds.comp86168_c0_seq1 m.154662	7	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase

Spot number	Accession	#Peptides	#Unique	Description
32	cds.comp112630_c0_seq1 m.190474	7	7	L7M384_9ACAR Putative biotinidase and vanin
32	cds.comp86166_c0_seq1 m.154654	7	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
32	cds.comp72130_c0_seq1 m.132048	7	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
32	cds.comp44312_c0_seq1 m.83626	6	6	B4MDC5_DROVI GJ16197
32	cds.comp72133_c0_seq1 m.132053	6	0	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
32	cds.comp11103_c0_seq1 m.19801	5	5	B0X973_CULQU Lysosomal alpha-mannosidase
32	cds.comp70828_c0_seq1 m.129947	4	4	Q6PPI6_HOMVI Putative cytoplasmic actin A3a1
32	cds.comp71144_c0_seq1 m.130311	4	4	Q4JK71_DERPT Group 18 allergen protein
32	Der p 2.0105	4	4	Der p 2.0105
32	cds.comp86986_c0_seq1 m.155830	4	4	no hit
32	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
32	cds.comp90671_c0_seq1 m.161623	4	4	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23
32	cds.comp120606_c0_seq1 m.201109	3	3	Q17G61_AEDAE AAEL003193-PA
32	cds.comp71098_c0_seq1 m.130257	3	3	B4YTT9_9ACAR Heat shock protein 70-2
32	cds.comp136643_c0_seq1 m.214661	3	3	E2C2J9_HARSA Pancreatic triacylglycerol lipase
32	cds.comp113914_c0_seq1 m.192570	3	3	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
32	cds.comp47520_c0_seq1 m.89357	3	3	A9QW25_CARMA Glycosyl-phosphatidylinositol-linked carbonic anhydrase EC=4.2.1.1
32	cds.comp27063_c0_seq1 m.52228	3	3	no hit
32	cds.comp81731_c0_seq1 m.147748	3	3	L7MB43_9ACAR Putative glycerol-3-phosphate dehydrogenase/dihydroxyacetone 3-phosphate reductase

Spot number	Accession	#Peptides	#Unique	Description
32	Der p 1.0107	2	2	Der p 1.0107
32	cds.comp11139_c0_seq1 m.19850	2	2	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
32	cds.comp86983_c0_seq1 m.155817	2	2	no hit
32	cds.comp90809_c0_seq1 m.161776	2	2	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
32	cds.comp8071_c0_seq1 m.14356	2	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
32	cds.comp105855_c0_seq1 m.181988	2	2	A1IHK5_HAELO Serine carboxypeptidase
32	cds.comp8012_c0_seq1 m.14281	2	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
32	cds.comp4557_c0_seq1 m.7090	2	2	no hit
32	Der p 6.0101	2	2	Der p 6.0101
32	cds.comp11933_c0_seq1 m.21531	2	2	B7PDZ6_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49 Flags: Fragment
32	cds.comp110406_c0_seq1 m.187904	2	2	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
32	cds.comp113522_c0_seq1 m.191885	2	2	B0WIN7_CULQU Peritrophic membrane chitin binding protein
32	cds.comp92983_c0_seq1 m.165211	2	2	R4V1A4_COPFO Enolase
33	cds.comp58725_c0_seq1 m.109492	20	20	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
33	cds.comp86168_c0_seq1 m.154662	8	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
33	cds.comp86166_c0_seq1 m.154654	8	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
33	cds.comp110928_c0_seq1 m.188689	7	7	A1KXH7_DERFA Der f Alt a 10 allergen
33	cds.comp71098_c0_seq1 m.130257	6	6	B4YTT9_9ACAR Heat shock protein 70-2
33	cds.comp86986_c0_seq1 m.155830	6	6	no hit

Spot number	Accession	#Peptides	#Unique	Description
33	cds.comp11103_c0_seq1 m.19801	5	5	B0X973_CULQU Lysosomal alpha-mannosidase
33	Der p 2.0112	5	5	Der p 2.0112
33	cds.comp90809_c0_seq1 m.161776	5	5	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
33	cds.comp112630_c0_seq1 m.190474	5	5	L7M384_9ACAR Putative biotinidase and vanin
33	cds.comp120606_c0_seq1 m.201109	5	5	Q17G61_AEDAE AAEL003193-PA
33	cds.comp72130_c0_seq1 m.132048	4	4	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
33	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
33	cds.comp90671_c0_seq1 m.161623	4	4	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23
33	Der p 6.0101	4	4	Der p 6.0101
33	Der p 1.0107	3	3	Der p 1.0107
33	cds.comp128133_c0_seq1 m.208437	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
33	cds.comp44313_c0_seq1 m.83628	3	3	no hit
33	cds.comp122816_c0_seq1 m.203611	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
33	cds.comp27085_c0_seq1 m.52277	3	3	no hit
33	cds.comp8012_c0_seq1 m.14281	2	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
33	cds.comp8071_c0_seq1 m.14356	2	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
33	cds.comp68825_c0_seq1 m.126306	2	2	B4J0B5_DROGR GH15860
33	cds.comp86983_c0_seq1 m.155817	2	2	no hit
33	cds.comp136643_c0_seq1 m.214661	2	2	E2C2J9_HARSA Pancreatic triacylglycerol lipase

Spot number	Accession	#Peptides	#Unique	Description
33	cds.comp70753_c0_seq1 m.129809	2	2	B2XY22_9ARAC Actin Flags: Fragment
33	cds.comp11139_c0_seq1 m.19850	2	2	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
33	cds.comp81731_c0_seq1 m.147748	2	2	L7MB43_9ACAR Putative glycerol-3-phosphate dehydrogenase/dihydroxyacetone 3-phosphate reductase
33	cds.comp11973_c0_seq1 m.21633	2	2	E2B637_HARSA Alpha-N-acetylgalactosaminidase
33	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
34	cds.comp58725_c0_seq1 m.109492	16	16	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
34	cds.comp110928_c0_seq1 m.188689	8	7	A1KXH7_DERFA Der f Alt a 10 allergen
34	cds.comp16912_c0_seq1 m.31604	8	8	D3TS39_GLOMM Adenosine kinase
34	cds.comp86168_c0_seq1 m.154662	7	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
34	cds.comp86166_c0_seq1 m.154654	7	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
34	cds.comp90792_c0_seq1 m.161731	7	7	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
34	cds.comp72130_c0_seq1 m.132048	7	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
34	cds.comp72133_c0_seq1 m.132053	6	0	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
34	Der p 2.0106	5	5	Der p 2.0106
34	cds.comp90671_c0_seq1 m.161623	5	5	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23
34	cds.comp11103_c0_seq1 m.19801	4	4	B0X973_CULQU Lysosomal alpha-mannosidase
34	cds.comp113914_c0_seq1 m.192570	4	4	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
34	cds.comp86986_c0_seq1 m.155830	4	4	no hit
34	cds.comp86161_c0_seq1 m.154648	3	2	D6WGZ1_TRICA Cathepsin B

Spot number	Accession	#Peptides	#Unique	Description
34	cds.comp71098_c0_seq1 m.130257	3	3	B4YTT9_9ACAR Heat shock protein 70-2
34	cds.comp122816_c0_seq1 m.203611	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
34	Der p 1.0107	2	2	Der p 1.0107
34	cds.comp136643_c0_seq1 m.214661	2	2	E2C2J9_HARSA Pancreatic triacylglycerol lipase
34	cds.comp110406_c0_seq1 m.187904	2	2	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
34	cds.comp11139_c0_seq1 m.19850	2	2	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
34	cds.comp86983_c0_seq1 m.155817	2	2	no hit
34	cds.comp118488_c0_seq1 m.198747	2	2	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein
34	cds.comp92988_c0_seq1 m.165215	2	2	R4V1A4_COPFO Enolase
34	cds.comp70328_c0_seq1 m.128999	2	2	L7ME31_9ACAR Putative laminin a Flags: Fragment
34	cds.comp138947_c0_seq1 m.215905	2	2	E2BBG1_HARSA Filamin-C
35	cds.comp58725_c0_seq1 m.109492	21	21	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
35	cds.comp120606_c0_seq1 m.201109	8	8	Q17G61_AEDAE AAEL003193-PA
35	cds.comp86168_c0_seq1 m.154662	7	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
35	cds.comp86166_c0_seq1 m.154654	7	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
35	cds.comp16912_c0_seq1 m.31604	7	7	D3TS39_GLOMM Adenosine kinase
35	cds.comp113914_c0_seq1 m.192570	6	6	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
35	cds.comp72133_c0_seq1 m.132053	6	6	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
35	Der p 2.0106	6	6	Der p 2.0106

Spot number	Accession	#Peptides	#Unique	Description
35	cds.comp86986_c0_seq1 m.155830	6	6	no hit
35	cds.comp11103_c0_seq1 m.19801	5	5	B0X973_CULQU Lysosomal alpha-mannosidase
35	cds.comp110928_c0_seq1 m.188689	5	4	A1KXH7_DERFA Der f Alt a 10 allergen
35	cds.comp13484_c0_seq1 m.24563	5	5	E0W157_PEDHC GDP-L-fucose synthetase putative EC=1.1.1.271
35	cds.comp27085_c0_seq1 m.52277	5	5	no hit
35	Der p 1.0108	4	1	Der p 1.0108
35	Der p 1.0116	4	0	Der p 1.0116
35	cds.comp117252_c0_seq1 m.197148	4	4	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
35	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
35	cds.comp11933_c0_seq1 m.21531	4	4	B7PDZ6_IXOSC Alpha-D-galactosidase putative EC=3.2.1.49 Flags: Fragment
35	cds.comp116086_c0_seq1 m.195553	3	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
35	cds.comp8012_c0_seq1 m.14281	3	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
35	Der p 6.0101	3	3	Der p 6.0101
35	cds.comp122816_c0_seq1 m.203611	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
35	cds.comp68825_c0_seq1 m.126306	3	3	B4J0B5_DROGR GH15860
35	cds.comp44313_c0_seq1 m.83628	3	3	no hit
35	cds.comp71098_c0_seq1 m.130257	3	3	B4YTT9_9ACAR Heat shock protein 70-2
35	cds.comp90671_c0_seq1 m.161623	3	3	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23
35	cds.comp11139_c0_seq1 m.19850	3	3	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7

Spot number	Accession	#Peptides	#Unique	Description
35	cds.comp90809_c0_seq1 m.161776	2	2	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
35	cds.comp86983_c0_seq1 m.155817	2	2	no hit
35	cds.comp39630_c0_seq1 m.75534	2	2	D0PWZ6_BOMMO UDP-glucosyltransferase protein 3
35	cds.comp124460_c0_seq1 m.205141	2	2	A1YW13_DERFA Der f 1 allergen
35	cds.comp8010_c0_seq1 m.14279	2	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
35	cds.comp107939_c0_seq1 m.184964	2	1	A1KXI6_BLOTA Blo t aldehyde dehydrogenase allergen
36	cds.comp58728_c0_seq1 m.109496	26	26	G9C5D5_SCHGR Fructose-bisphosphate aldolase EC=4.1.2.13
36	cds.comp113914_c0_seq1 m.192570	14	14	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
36	cds.comp123134_c0_seq1 m.203950	9	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
36	cds.comp114923_c0_seq1 m.194060	6	6	Q9Y197_DERPT Alpha-amylase Flags: Fragment
36	cds.comp86986_c0_seq1 m.155830	5	5	no hit
36	cds.comp72133_c0_seq1 m.132053	4	4	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
36	cds.comp129401_c0_seq1 m.209549	3	3	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
36	cds.comp86983_c0_seq1 m.155817	2	2	no hit
36	cds.comp105480_c0_seq1 m.181427	2	2	L7M5T1_9ACAR Putative actin regulatory protein
36	cds.comp60483_c0_seq1 m.112772	2	2	L7MIP8_9ACAR Putative beta-lactamase Flags: Fragment
37	cds.comp72134_c0_seq1 m.132054	10	2	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
37	cds.comp54535_c0_seq1 m.102040	9	9	A1KXH8_DERFA Der f Gal d 2 allergen
37	cds.comp72130_c0_seq1 m.132048	9	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
37	cds.comp70346_c0_seq1 m.129037	9	9	B7PYU7_IXOSC Calcium-binding protein putative Flags: Fragment
37	cds.comp141003_c0_seq1 m.216893	8	8	I4DIJ5_PAPXU Similar to CG3108
37	cds.comp86168_c0_seq1 m.154662	7	6	R4FNL2_RHOPR Putative cathepsin b-like proteinase
37	cds.comp86986_c0_seq1 m.155830	7	7	no hit
37	cds.comp11050_c0_seq1 m.19698	6	6	L7MGQ3_9ACAR Putative maltase glucoamylase Flags: Fragment
37	cds.comp70828_c0_seq1 m.129947	5	5	Q6PPI6_HOMVI Putative cytoplasmic actin A3a1
37	cds.comp70792_c0_seq1 m.129869	5	5	B2MVM3_SARSC Actin
37	Der p 6.0101	5	5	Der p 6.0101
37	cds.comp70403_c0_seq1 m.129123	5	5	A1KXH8_DERFA Der f Gal d 2 allergen
37	cds.comp105855_c0_seq1 m.181988	4	4	A1IHK5_HAELO Serine carboxypeptidase
37	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
37	cds.comp136643_c0_seq1 m.214661	4	4	E2C2J9_HARSA Pancreatic triacylglycerol lipase
37	Der p 1.0107	3	3	Der p 1.0107
37	cds.comp8012_c0_seq1 m.14281	3	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
37	cds.comp97466_c0_seq1 m.171059	3	3	no hit
37	cds.comp86983_c0_seq1 m.155817	3	3	no hit
37	cds.comp122816_c0_seq1 m.203611	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
37	cds.comp54254_c0_seq1 m.101590	2	2	no hit
37	cds.comp47520_c0_seq1 m.89357	2	2	A9QW25_CARMA Glycosyl-phosphatidylinositol-linked carbonic anhydrase EC=4.2.1.1

Spot number	Accession	#Peptides	#Unique	Description
37	cds.comp110399_c0_seq1 m.187884	2	2	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
37	cds.comp133360_c0_seq1 m.212547	2	2	no hit
37	cds.comp94280_c0_seq1 m.166903	2	2	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
38	cds.comp70346_c0_seq1 m.129037	14	14	B7PYU7_IXOSC Calcium-binding protein putative Flags: Fragment
38	cds.comp72134_c0_seq1 m.132054	12	2	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
38	cds.comp72130_c0_seq1 m.132048	11	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
38	cds.comp11050_c0_seq1 m.19698	9	9	L7MGQ3_9ACAR Putative maltase glucoamylase Flags: Fragment
38	cds.comp70828_c0_seq1 m.129947	8	7	Q6PPI6_HOMVI Putative cytoplasmic actin A3a1
38	cds.comp86168_c0_seq1 m.154662	8	7	R4FNL2_RHOPR Putative cathepsin b-like proteinase
38	cds.comp54535_c0_seq1 m.102040	8	8	A1KXH8_DERFA Der f Gal d 2 allergen
38	cds.comp141003_c0_seq1 m.216893	8	1	I4DIJ5_PAPXU Similar to CG3108
38	cds.comp86986_c0_seq1 m.155830	8	8	no hit
38	cds.comp8012_c0_seq1 m.14281	7	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
38	cds.comp141002_c0_seq1 m.216892	7	0	F4X0L8_ACREC Carboxypeptidase B
38	Der p 6.0101	7	7	Der p 6.0101
38	cds.comp70758_c0_seq1 m.129814	6	5	B2MVM3_SARSC Actin
38	cds.comp8071_c0_seq1 m.14356	5	3	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
38	Der p 1.0115	4	4	Der p 1.0115
38	cds.comp8057_c0_seq1 m.14337	4	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
38	cds.comp86162_c0_seq1 m.154650	4	3	D6WGZ1_TRICA Cathepsin B
38	cds.comp105855_c0_seq1 m.181988	4	4	A1IHK5_HAELO Serine carboxypeptidase
38	cds.comp122816_c0_seq1 m.203611	4	4	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
38	cds.comp8010_c0_seq1 m.14279	4	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
38	cds.comp70396_c0_seq1 m.129112	3	3	A1KXH8_DERFA Der f Gal d 2 allergen
38	cds.comp47520_c0_seq1 m.89357	3	3	A9QW25_CARMA Glycosyl-phosphatidylinositol-linked carbonic anhydrase EC=4.2.1.1
38	cds.comp57248_c0_seq1 m.106667	3	3	Q4JK70_DERPT Group 15 allergen protein
38	cds.comp11138_c0_seq1 m.19849	3	3	B3TFG6_9ACAR Esterase TCE1
38	cds.comp8013_c0_seq1 m.14282	3	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
38	cds.comp97466_c0_seq1 m.171059	2	2	no hit
38	cds.comp86983_c0_seq1 m.155817	2	2	no hit
38	cds.comp6189_c0_seq1 m.10276	2	2	B7PCE6_IXOSC Ionotropic glutamate receptor putative
38	cds.comp133360_c0_seq1 m.212547	2	2	no hit
38	cds.comp42243_c0_seq1 m.80013	2	2	L7LYB7_9ACAR Putative conserved secreted protein
38	cds.comp124460_c0_seq1 m.205141	2	2	A1YW13_DERFA Der f 1 allergen
38	cds.comp92986_c0_seq1 m.165213	2	2	R4V1A4_COPFO Enolase
38	cds.comp41866_c0_seq1 m.79355	2	2	no hit
38	cds.comp97134_c0_seq1 m.170573	2	2	B7PB29_IXOSC Excitatory amino acid transporter putative
39	cds.comp86986_c0_seq1 m.155830	8	8	no hit

Spot number	Accession	#Peptides	#Unique	Description
39	cds.comp8012_c0_seq1 m.14281	7	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
39	Der p 6.0101	7	7	Der p 6.0101
39	cds.comp11050_c0_seq1 m.19698	7	7	L7MGQ3_9ACAR Putative maltase glucoamylase Flags: Fragment
39	cds.comp97466_c0_seq1 m.171059	6	6	no hit
39	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
39	cds.comp8057_c0_seq1 m.14337	4	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
39	cds.comp105855_c0_seq1 m.181988	4	4	A1IHK5_HAELO Serine carboxypeptidase
39	cds.comp47520_c0_seq1 m.89357	4	4	A9QW25_CARMA Glycosyl-phosphatidylinositol-linked carbonic anhydrase EC=4.2.1.1
39	cds.comp122816_c0_seq1 m.203611	4	4	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
39	cds.comp8010_c0_seq1 m.14279	4	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
39	cds.comp86983_c0_seq1 m.155817	3	3	no hit
39	cds.comp120606_c0_seq1 m.201109	3	3	Q17G61_AEDAE AAEL003193-PA
39	cds.comp136643_c0_seq1 m.214661	3	3	E2C2J9_HARSA Pancreatic triacylglycerol lipase
39	cds.comp11138_c0_seq1 m.19849	3	3	B3TFG6_9ACAR Esterase TCE1
39	cds.comp57248_c0_seq1 m.106667	3	3	Q4JK70_DERPT Group 15 allergen protein
39	cds.comp8013_c0_seq1 m.14282	3	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
39	cds.comp27085_c0_seq1 m.52277	3	3	no hit
39	cds.comp117252_c0_seq1 m.197148	2	2	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
39	cds.comp70398_c0_seq1 m.129114	2	2	A1KXH8_DERFA Der f Gal d 2 allergen

Spot number	Accession	#Peptides	#Unique	Description
39	cds.comp110399_c0_seq1 m.187884	2	2	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
39	cds.comp133360_c0_seq1 m.212547	2	2	no hit
39	cds.comp42243_c0_seq1 m.80013	2	2	L7LYB7_9ACAR Putative conserved secreted protein
39	cds.comp8016_c0_seq1 m.14286	2	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
39	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
39	cds.comp94280_c0_seq1 m.166903	2	2	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
40	cds.comp72133_c0_seq1 m.132053	10	10	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
40	cds.comp113914_c0_seq1 m.192570	8	8	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
40	cds.comp122816_c0_seq1 m.203611	8	8	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
40	cds.comp105482_c0_seq1 m.181430	7	7	L7M5T1_9ACAR Putative actin regulatory protein
40	cds.comp67072_c0_seq1 m.123542	6	3	M1KYK4_9HYME Heat shock cognate 70
40	cds.comp86986_c0_seq1 m.155830	6	6	no hit
40	cds.comp123134_c0_seq1 m.203950	5	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
40	Der p 2.0106	5	5	Der p 2.0106
40	cds.comp58725_c0_seq1 m.109492	5	5	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
40	cds.comp68825_c0_seq1 m.126306	5	5	B4J0B5_DROGR GH15860
40	cds.comp123115_c0_seq1 m.203925	4	0	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
40	cds.comp71060_c0_seq1 m.130212	4	1	B4YTU0_9ACAR Heat shock protein 70-3
40	cds.comp59793_c0_seq1 m.111642	4	4	Q16M58_AEDAE AAEL012418-PA

Spot number	Accession	#Peptides	#Unique	Description
40	cds.comp11139_c0_seq1 m.19850	3	3	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
40	cds.comp123876_c0_seq1 m.204690	3	3	H9HYH7_ATTCE 4-hydroxyphenylpyruvate dioxygenase
40	cds.comp86164_c0_seq1 m.154651	3	3	B0W0V3_CULQU Cathepsin L
40	cds.comp124461_c0_seq1 m.205142	3	3	A1YW13_DERFA Der f 1 allergen
40	cds.comp72078_c0_seq1 m.131978	3	3	A7UI22_AMBAM Lospin 7
40	cds.comp11083_c0_seq1 m.19764	3	3	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
40	cds.comp86983_c0_seq1 m.155817	2	2	no hit
40	cds.comp100884_c0_seq1 m.175767	2	2	E9H9U9_DAPPU Putative uncharacterized protein
40	cds.comp129401_c0_seq1 m.209549	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
40	cds.comp9912_c0_seq1 m.17778	2	2	Q0KKA6_HAELO Leucine aminopeptidase
40	cds.comp114923_c0_seq1 m.194060	2	2	Q9Y197_DERPT Alpha-amylase Flags: Fragment
41	cds.comp58725_c0_seq1 m.109492	20	20	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
41	cds.comp113914_c0_seq1 m.192570	13	13	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
41	cds.comp123134_c0_seq1 m.203950	6	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
41	cds.comp123115_c0_seq1 m.203925	5	0	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
41	cds.comp122816_c0_seq1 m.203611	5	5	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
41	Der p 2.0113	4	4	Der p 2.0113
41	cds.comp59793_c0_seq1 m.111642	4	4	Q16M58_AEDAE AAEL012418-PA
41	cds.comp72133_c0_seq1 m.132053	3	3	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
41	cds.comp86986_c0_seq1 m.155830	3	3	no hit
41	cds.comp105482_c0_seq1 m.181430	3	3	L7M5T1_9ACAR Putative actin regulatory protein
41	cds.comp83774_c0_seq1 m.150923	3	3	L7MD56_9ACAR Putative neural cell adhesion molecule I1 Flags: Fragment
41	cds.comp86164_c0_seq1 m.154651	2	2	B0W0V3_CULQU Cathepsin L
41	cds.comp4546_c0_seq1 m.7079	2	2	R4WCI9_9HEMI Unkown protein
41	cds.comp17603_c0_seq1 m.32810	2	2	G3MQ23_9ACAR Transaldolase EC=2.2.1.2
41	cds.comp11007_c0_seq1 m.19626	2	2	F4W8Y5_ACREC Lysosomal alpha-mannosidase
41	cds.comp129401_c0_seq1 m.209549	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
41	cds.comp86983_c0_seq1 m.155817	2	2	no hit
42	cds.comp113914_c0_seq1 m.192570	6	6	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
42	cds.comp122816_c0_seq1 m.203611	6	6	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
42	cds.comp72133_c0_seq1 m.132053	6	6	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
42	cds.comp86986_c0_seq1 m.155830	5	5	no hit
42	cds.comp107939_c0_seq1 m.184964	5	5	A1KXI6_BLOTA Blo t aldehyde dehydrogenase allergen
42	cds.comp123134_c0_seq1 m.203950	4	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
42	cds.comp123115_c0_seq1 m.203925	3	0	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
42	cds.comp86983_c0_seq1 m.155817	3	3	no hit
42	cds.comp59793_c0_seq1 m.111642	2	2	Q16M58_AEDAE AAEL012418-PA
42	cds.comp58725_c0_seq1 m.109492	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment

Spot number	Accession	#Peptides	#Unique	Description
42	cds.comp105480_c0_seq1 m.181427	2	2	L7M5T1_9ACAR Putative actin regulatory protein
43	cds.comp113914_c0_seq1 m.192570	11	11	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
43	cds.comp123134_c0_seq1 m.203950	11	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
43	cds.comp123115_c0_seq1 m.203925	11	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
43	cds.comp72133_c0_seq1 m.132053	9	9	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
43	cds.comp59793_c0_seq1 m.111642	8	8	Q16M58_AEDAE AAEL012418-PA
43	cds.comp58725_c0_seq1 m.109492	7	7	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
43	cds.comp107939_c0_seq1 m.184964	5	5	A1KXI6_BLOTA Blo t aldehyde dehydrogenase allergen
43	cds.comp86986_c0_seq1 m.155830	5	5	no hit
43	cds.comp11083_c0_seq1 m.19764	4	4	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
43	cds.comp123876_c0_seq1 m.204690	4	4	H9HYH7_ATTCE 4-hydroxyphenylpyruvate dioxygenase
43	cds.comp72078_c0_seq1 m.131978	3	3	A7UI22_AMBAM Lospin 7
43	cds.comp114923_c0_seq1 m.194060	3	3	Q9Y197_DERPT Alpha-amylase Flags: Fragment
43	cds.comp86983_c0_seq1 m.155817	2	2	no hit
43	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
43	cds.comp94280_c0_seq1 m.166903	2	2	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
43	Der p 9.0102	2	2	Q8MWR4_DERPT Serine protease LM-1 (Fragment) OS=Dermatophagoides pteronyssinus PE=2 SV=2
43	cds.comp122816_c0_seq1 m.203611	2	2	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
43	cds.comp53540_c0_seq1 m.100381	2	2	G3MH40_9ACAR Malate dehydrogenase EC=1.1.1.37 Flags: Fragment

Spot number	Accession	#Peptides	#Unique	Description
43	cds.comp129401_c0_seq1 m.209549	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
43	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
44	cds.comp113914_c0_seq1 m.192570	10	10	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
44	cds.comp72133_c0_seq1 m.132053	7	7	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
44	cds.comp123134_c0_seq1 m.203950	6	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
44	cds.comp86986_c0_seq1 m.155830	6	6	no hit
44	cds.comp71061_c0_seq1 m.130213	6	3	B4YTU0_9ACAR Heat shock protein 70-3
44	cds.comp67072_c0_seq1 m.123542	6	3	M1KYK4_9HYME Heat shock cognate 70
44	cds.comp59793_c0_seq1 m.111642	5	5	Q16M58_AEDAE AAEL012418-PA
44	cds.comp123115_c0_seq1 m.203925	5	0	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
44	cds.comp123876_c0_seq1 m.204690	5	5	H9HYH7_ATTCE 4-hydroxyphenylpyruvate dioxygenase
44	cds.comp114923_c0_seq1 m.194060	5	5	Q9Y197_DERPT Alpha-amylase Flags: Fragment
44	Der p 2.0113	4	4	Der p 2.0113
44	cds.comp105480_c0_seq1 m.181427	3	3	L7M5T1_9ACAR Putative actin regulatory protein
44	cds.comp11144_c0_seq1 m.19855	2	2	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
44	cds.comp11083_c0_seq1 m.19764	2	2	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
44	cds.comp86983_c0_seq1 m.155817	2	2	no hit
44	cds.comp53540_c0_seq1 m.100381	2	2	G3MH40_9ACAR Malate dehydrogenase EC=1.1.1.37 Flags: Fragment
45	cds.comp113914_c0_seq1 m.192570	14	14	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12

Spot number	Accession	#Peptides	#Unique	Description
45	cds.comp123134_c0_seq1 m.203950	12	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
45	cds.comp123115_c0_seq1 m.203925	12	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
45	cds.comp59793_c0_seq1 m.111642	9	9	Q16M58_AEDAE AAEL012418-PA
45	cds.comp59796_c0_seq1 m.111647	9	9	Q16M58_AEDAE AAEL012418-PA
45	Der p 2.0112	8	1	Der p 2.0112
45	Der p 2.0109	8	1	Der p 2.0109
45	cds.comp72133_c0_seq1 m.132053	7	7	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
45	cds.comp86986_c0_seq1 m.155830	6	6	no hit
45	cds.comp58725_c0_seq1 m.109492	4	4	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
45	cds.comp105480_c0_seq1 m.181427	4	4	L7M5T1_9ACAR Putative actin regulatory protein
45	cds.comp61160_c0_seq1 m.113810	4	4	L7M520_9ACAR Malic enzyme
45	cds.comp136840_c0_seq1 m.214779	4	4	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
45	cds.comp114923_c0_seq1 m.194060	4	4	Q9Y197_DERPT Alpha-amylase Flags: Fragment
45	cds.comp11083_c0_seq1 m.19764	3	3	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
45	cds.comp86983_c0_seq1 m.155817	2	2	no hit
45	cds.comp129401_c0_seq1 m.209549	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
45	Der p 9.0102	2	2	Q8MWR4_DERPT Serine protease LM-1 (Fragment) OS=Dermatophagoides pteronyssinus PE=2 SV=2
45	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
46	cds.comp113914_c0_seq1 m.192570	14	14	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12

Spot number	Accession	#Peptides	#Unique	Description
46	cds.comp72134_c0_seq1 m.132054	14	14	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
46	cds.comp105482_c0_seq1 m.181430	9	9	L7M5T1_9ACAR Putative actin regulatory protein
46	cds.comp59793_c0_seq1 m.111642	7	7	Q16M58_AEDAE AAEL012418-PA
46	cds.comp107939_c0_seq1 m.184964	7	7	A1KXI6_BLOTA Blo t aldehyde dehydrogenase allergen
46	cds.comp123134_c0_seq1 m.203950	7	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
46	cds.comp58725_c0_seq1 m.109492	7	7	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
46	cds.comp123115_c0_seq1 m.203925	6	0	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
46	cds.comp86986_c0_seq1 m.155830	6	6	no hit
46	cds.comp114923_c0_seq1 m.194060	5	5	Q9Y197_DERPT Alpha-amylase Flags: Fragment
46	cds.comp11083_c0_seq1 m.19764	3	3	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
46	cds.comp86983_c0_seq1 m.155817	3	3	no hit
46	cds.comp9912_c0_seq1 m.17778	3	3	Q0KKA6_HAELO Leucine aminopeptidase
46	Der p 9.0102	2	2	Q8MWR4_DERPT Serine protease LM-1 (Fragment) OS=Dermatophagoides pteronyssinus PE=2 SV=2
46	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
46	cds.comp32740_c0_seq1 m.62997	2	2	G1UIC8_9ARAC Thioester-containing protein
46	cds.comp57928_c0_seq1 m.107765	2	2	Q7PF06_ANOGA AGAP011050-PA
47	cds.comp113914_c0_seq1 m.192570	18	18	B7PKP9_IXOSC Glyceraldehyde-3-phosphate dehydrogenase EC=1.2.1.12
47	cds.comp72134_c0_seq1 m.132054	13	13	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
47	cds.comp123134_c0_seq1 m.203950	11	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase

Spot number	Accession	#Peptides	#Unique	Description
47	cds.comp123115_c0_seq1 m.203925	11	1	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
47	cds.comp59793_c0_seq1 m.111642	8	8	Q16M58_AEDAE AAEL012418-PA
47	cds.comp86986_c0_seq1 m.155830	7	7	no hit
47	cds.comp114923_c0_seq1 m.194060	6	6	Q9Y197_DERPT Alpha-amylase Flags: Fragment
47	cds.comp11083_c0_seq1 m.19764	5	5	L7MGV3_9ACAR Putative glycosyl hydrolase family 38 Flags: Fragment
47	cds.comp134821_c0_seq1 m.213456	4	4	Q7Z163_DERPT Trypsin-like serine protease
47	cds.comp86983_c0_seq1 m.155817	3	3	no hit
47	cds.comp105480_c0_seq1 m.181427	3	3	L7M5T1_9ACAR Putative actin regulatory protein
47	cds.comp129401_c0_seq1 m.209549	3	3	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
47	cds.comp11144_c0_seq1 m.19855	3	3	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
47	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
47	cds.comp61160_c0_seq1 m.113810	2	2	L7M520_9ACAR Malic enzyme
47	cds.comp90671_c0_seq1 m.161623	2	2	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23
48	cds.comp54535_c0_seq1 m.102040	14	14	A1KXH8_DERFA Der f Gal d 2 allergen
48	cds.comp70403_c0_seq1 m.129123	14	14	A1KXH8_DERFA Der f Gal d 2 allergen
48	cds.comp57248_c0_seq1 m.106667	12	12	Q4JK70_DERPT Group 15 allergen protein
48	cds.comp8012_c0_seq1 m.14281	10	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
48	cds.comp72133_c0_seq1 m.132053	9	9	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
48	Der p 6.0101	8	8	Der p 6.0101

Spot number	Accession	#Peptides	#Unique	Description
48	cds.comp113914_c0_seq1 m.192571	8	8	B3NZN4_DROER GG16982
48	cds.comp86168_c0_seq1 m.154662	7	6	R4FNL2_RHOPR Putative cathepsin b-like proteinase
48	cds.comp8057_c0_seq1 m.14337	7	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
48	cds.comp8071_c0_seq1 m.14356	6	3	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
48	cds.comp136643_c0_seq1 m.214661	6	6	E2C2J9_HARSA Pancreatic triacylglycerol lipase
48	cds.comp8014_c0_seq1 m.14284	6	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
48	cds.comp8010_c0_seq1 m.14279	6	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
48	Der p 1.0116	5	0	Der p 1.0116
48	Der p 1.0108	5	1	Der p 1.0108
48	cds.comp86161_c0_seq1 m.154648	5	4	D6WGZ1_TRICA Cathepsin B
48	cds.comp70339_c0_seq1 m.129030	5	5	B7PYU7_IXOSC Calcium-binding protein putative Flags: Fragment
48	cds.comp8013_c0_seq1 m.14282	5	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
48	cds.comp116086_c0_seq1 m.195553	4	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
48	cds.comp105855_c0_seq1 m.181988	4	4	A1IHK5_HAELO Serine carboxypeptidase
48	cds.comp128133_c0_seq1 m.208437	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
48	cds.comp65229_c0_seq1 m.120785	3	3	B7P7Y4_IXOSC Enoyl-CoA hydratase putative EC=2.3.1.48 EC=5.3.3.8 Flags: Fragment
48	cds.comp86986_c0_seq1 m.155830	2	2	no hit
48	cds.comp110399_c0_seq1 m.187884	2	2	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
48	cds.comp122816_c0_seq1 m.203611	2	2	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
48	cds.comp70438_c0_seq1 m.129154	2	2	Q9U6M8_RHIMP Esterase SubName: Full=Pyrethroid-metabolizing carboxylesterase
48	cds.comp8016_c0_seq1 m.14286	2	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
48	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
48	cds.comp70420_c0_seq1 m.129137	2	2	no hit
48	cds.comp27085_c0_seq1 m.52277	2	2	no hit
49	cds.comp70403_c0_seq1 m.129123	11	11	A1KXH8_DERFA Der f Gal d 2 allergen
49	cds.comp8012_c0_seq1 m.14281	9	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
49	cds.comp57248_c0_seq1 m.106667	9	9	Q4JK70_DERPT Group 15 allergen protein
49	Der p 6.0101	8	8	Der p 6.0101
49	cds.comp72133_c0_seq1 m.132053	8	8	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
49	cds.comp54535_c0_seq1 m.102040	7	7	A1KXH8_DERFA Der f Gal d 2 allergen
49	cds.comp8057_c0_seq1 m.14337	7	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
49	cds.comp8071_c0_seq1 m.14356	6	3	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
49	Der p 1.0116	6	0	Der p 1.0116
49	Der p 1.0106	6	1	Der p 1.0106
49	cds.comp113914_c0_seq1 m.192571	6	6	B3NZN4_DROER GG16982
49	cds.comp86168_c0_seq1 m.154662	5	4	R4FNL2_RHOPR Putative cathepsin b-like proteinase
49	cds.comp116086_c0_seq1 m.195553	5	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
49	cds.comp86161_c0_seq1 m.154648	5	4	D6WGS1_TRICA Cathepsin B

Spot number	Accession	#Peptides	#Unique	Description
49	cds.comp136643_c0_seq1 m.214661	5	5	E2C2J9_HARSA Pancreatic triacylglycerol lipase
49	cds.comp8014_c0_seq1 m.14284	5	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
49	cds.comp8010_c0_seq1 m.14279	5	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
49	cds.comp128133_c0_seq1 m.208437	4	4	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
49	cds.comp8013_c0_seq1 m.14282	4	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
49	cds.comp105855_c0_seq1 m.181988	3	3	A1IHK5_HAELO Serine carboxypeptidase
49	cds.comp114643_c0_seq1 m.193702	3	3	G3MQD4_9ACAR Glutamine synthetase EC=6.3.1.2
49	cds.comp113512_c0_seq1 m.191862	2	2	B4PW26_DROYA GE14560
49	cds.comp122816_c0_seq1 m.203611	2	2	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
49	cds.comp70438_c0_seq1 m.129154	2	2	Q9U6M8_RHIMP Esterase SubName: Full=Pyrethroid-metabolizing carboxylesterase
49	cds.comp27085_c0_seq1 m.52277	2	2	no hit
49	cds.comp137015_c0_seq1 m.214858	2	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
49	cds.comp141003_c0_seq1 m.216893	2	2	I4DIJ5_PAPXU Similar to CG3108
50	Der p 6.0101	8	8	Der p 6.0101
50	cds.comp8012_c0_seq1 m.14281	7	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
50	cds.comp86168_c0_seq1 m.154662	6	5	R4FNL2_RHOPR Putative cathepsin b-like proteinase
50	cds.comp8007_c0_seq1 m.14274	5	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
50	cds.comp8057_c0_seq1 m.14337	5	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
50	cds.comp72133_c0_seq1 m.132053	5	5	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
50	cds.comp8052_c0_seq1 m.14330	4	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
50	Der p 1.0108	4	1	Der p 1.0108
50	Der p 1.0107	4	1	Der p 1.0107
50	cds.comp8071_c0_seq1 m.14356	4	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
50	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
50	cds.comp58860_c0_seq1 m.109626	4	4	A0SHR2_AMBVA Protein disulfide isomerase EC=5.3.4.1
50	Der p 1.0122	3	0	Der p 1.0122
50	cds.comp116082_c0_seq1 m.195545	3	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
50	cds.comp8013_c0_seq1 m.14282	3	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
50	cds.comp8014_c0_seq1 m.14284	3	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
50	cds.comp105855_c0_seq1 m.181988	3	3	A1IHK5_HAELO Serine carboxypeptidase
50	cds.comp8010_c0_seq1 m.14279	3	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
50	cds.comp110406_c0_seq1 m.187904	3	3	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
50	cds.comp128133_c0_seq1 m.208437	2	2	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
50	cds.comp122816_c0_seq1 m.203611	2	2	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
50	Der p 1.0103	2	1	Der p 1.0103
50	cds.comp8015_c0_seq1 m.14285	2	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
50	cds.comp102914_c0_seq1 m.178489	2	2	Q8ISH5_ARAVE Chitinase
50	cds.comp136643_c0_seq1 m.214661	2	2	E2C2J9_HARSA Pancreatic triacylglycerol lipase

Spot number	Accession	#Peptides	#Unique	Description
50	cds.comp27085_c0_seq1 m.52277	2	2	no hit
51	cds.comp128133_c0_seq1 m.208437	8	8	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
51	Der p 6.0101	8	8	Der p 6.0101
51	Der p 1.0106	7	3	Der p 1.0106
51	cds.comp8012_c0_seq1 m.14281	7	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
51	cds.comp136643_c0_seq1 m.214661	7	7	E2C2J9_HARSA Pancreatic triacylglycerol lipase
51	cds.comp116086_c0_seq1 m.195553	5	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
51	cds.comp86168_c0_seq1 m.154662	5	4	R4FNL2_RHOPR Putative cathepsin b-like proteinase
51	cds.comp86161_c0_seq1 m.154648	4	3	D6WGGZ1_TRICA Cathepsin B
51	cds.comp8057_c0_seq1 m.14337	4	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
51	cds.comp8014_c0_seq1 m.14284	4	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
51	cds.comp8010_c0_seq1 m.14279	4	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
51	cds.comp8071_c0_seq1 m.14356	3	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
51	cds.comp11138_c0_seq1 m.19849	3	3	B3TFG6_9ACAR Esterase TCE1
51	cds.comp94769_c0_seq1 m.167474	3	3	C1BS68_9MAXI 3-oxoacyl-acyl-carrier-protein reductase
51	cds.comp123088_c0_seq1 m.203897	3	3	no hit
51	cds.comp136840_c0_seq1 m.214779	3	3	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
51	cds.comp8013_c0_seq1 m.14282	3	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
51	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen

Spot number	Accession	#Peptides	#Unique	Description
51	cds.comp86985_c0_seq1 m.155823	2	2	no hit
51	cds.comp8016_c0_seq1 m.14286	2	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
52	Der p 6.0101	16	16	Der p 6.0101
52	cds.comp86162_c0_seq1 m.154650	11	9	D6WGZ1_TRICA Cathepsin B
52	cds.comp86168_c0_seq1 m.154662	7	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
52	cds.comp86167_c0_seq1 m.154658	7	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
52	Der p 1.0108	6	1	Der p 1.0108
52	Der p 1.0115	6	0	Der p 1.0115
52	cds.comp8012_c0_seq1 m.14281	5	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
52	cds.comp128133_c0_seq1 m.208437	5	5	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
52	cds.comp116086_c0_seq1 m.195553	4	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
52	cds.comp72133_c0_seq1 m.132053	4	4	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
52	cds.comp8071_c0_seq1 m.14356	3	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
52	cds.comp102914_c0_seq1 m.178489	3	3	Q8ISH5_ARAVE Chitinase
52	cds.comp122816_c0_seq1 m.203611	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
52	cds.comp148823_c0_seq1 m.219720	3	3	no hit
52	cds.comp8057_c0_seq1 m.14337	2	0	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
52	cds.comp8010_c0_seq1 m.14279	2	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
52	cds.comp8014_c0_seq1 m.14284	2	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
53	Der p 6.0101	11	11	Der p 6.0101
53	cds.comp86162_c0_seq1 m.154650	10	8	D6WGZ1_TRICA Cathepsin B
53	cds.comp86168_c0_seq1 m.154662	8	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
53	cds.comp8012_c0_seq1 m.14281	7	5	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
53	cds.comp86166_c0_seq1 m.154654	7	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
53	cds.comp72133_c0_seq1 m.132053	7	7	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
53	Der p 1.0108	5	1	Der p 1.0108
53	Der p 1.0116	5	0	Der p 1.0116
53	cds.comp8010_c0_seq1 m.14279	5	3	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
53	cds.comp148823_c0_seq1 m.219720	5	5	no hit
53	cds.comp122816_c0_seq1 m.203611	5	5	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
53	cds.comp116086_c0_seq1 m.195553	4	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
53	cds.comp128133_c0_seq1 m.208437	2	2	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
53	cds.comp102914_c0_seq1 m.178489	2	2	Q8ISH5_ARAVE Chitinase
53	cds.comp72078_c0_seq1 m.131978	2	2	A7UI22_AMBAM Lospin 7
53	cds.comp29245_c0_seq1 m.56272	2	2	R4WEH7_9HEMI Ornithine decarboxylase Flags: Fragment
53	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
54	cds.comp72134_c0_seq1 m.132054	18	5	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
54	cds.comp72130_c0_seq1 m.132048	14	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
54	cds.comp86166_c0_seq1 m.154654	12	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
54	cds.comp86168_c0_seq1 m.154662	11	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
54	Der p 6.0101	9	9	Der p 6.0101
54	cds.comp8012_c0_seq1 m.14281	8	5	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
54	cds.comp122816_c0_seq1 m.203611	7	7	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
54	cds.comp118488_c0_seq1 m.198747	6	6	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein
54	cds.comp86161_c0_seq1 m.154648	5	4	D6WGZ1_TRICA Cathepsin B
54	cds.comp8010_c0_seq1 m.14279	5	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
54	Der p 1.0107	4	4	Der p 1.0107
54	cds.comp30440_c0_seq1 m.58399	4	4	F0JA41_AMBVA Na+/K+ ATPase beta subunit
54	cds.comp29245_c0_seq1 m.56272	4	4	R4WEH7_9HEMI Ornithine decarboxylase Flags: Fragment
54	cds.comp92988_c0_seq1 m.165215	4	4	R4V1A4_COPFO Enolase
54	cds.comp47520_c0_seq1 m.89357	4	4	A9QW25_CARMA Glycosyl-phosphatidylinositol-linked carbonic anhydrase EC=4.2.1.1
54	cds.comp72078_c0_seq1 m.131978	4	4	A7UI22_AMBAM Lospin 7
54	cds.comp124463_c0_seq1 m.205144	4	4	A1YW13_DERFA Der f 1 allergen
54	cds.comp57928_c0_seq1 m.107765	3	3	Q7PF06_ANOGA AGAP011050-PA
54	cds.comp110399_c0_seq1 m.187884	2	2	E2A0U6_CAMFO N-acetylmuramoyl-L-alanine amidase
54	cds.comp27085_c0_seq1 m.52277	2	2	no hit
55	cds.comp72133_c0_seq1 m.132053	14	3	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
55	cds.comp72130_c0_seq1 m.132048	12	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
55	cds.comp86166_c0_seq1 m.154654	9	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
55	cds.comp86168_c0_seq1 m.154662	9	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
55	cds.comp8012_c0_seq1 m.14281	8	6	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
55	cds.comp122816_c0_seq1 m.203611	7	7	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
55	cds.comp86161_c0_seq1 m.154648	7	5	D6WGZ1_TRICA Cathepsin B
55	cds.comp30440_c0_seq1 m.58399	5	5	F0JA41_AMBVA Na+/K+ ATPase beta subunit
55	Der p 6.0101	5	5	Der p 6.0101
55	Der p 1.0107	4	4	Der p 1.0107
55	cds.comp29245_c0_seq1 m.56272	4	4	R4WEH7_9HEMI Ornithine decarboxylase Flags: Fragment
55	cds.comp72078_c0_seq1 m.131978	4	4	A7UI22_AMBAM Lospin 7
55	cds.comp8071_c0_seq1 m.14356	3	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
55	cds.comp148823_c0_seq1 m.219720	3	3	no hit
55	cds.comp27085_c0_seq1 m.52277	2	2	no hit
55	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
56	cds.comp72134_c0_seq1 m.132054	16	4	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
56	cds.comp72130_c0_seq1 m.132048	13	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
56	cds.comp86166_c0_seq1 m.154654	12	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
56	cds.comp86168_c0_seq1 m.154662	11	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase

Spot number	Accession	#Peptides	#Unique	Description
56	cds.comp122816_c0_seq1 m.203611	8	8	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
56	Der p 6.0101	7	7	Der p 6.0101
56	cds.comp8012_c0_seq1 m.14281	4	4	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
56	cds.comp57928_c0_seq1 m.107765	4	4	Q7PF06_ANOGA AGAP011050-PA
56	Der p 1.0107	3	3	Der p 1.0107
56	cds.comp86161_c0_seq1 m.154648	3	2	D6WGZ1_TRICA Cathepsin B
56	cds.comp124461_c0_seq1 m.205142	3	3	A1YW13_DERFA Der f 1 allergen
56	cds.comp72078_c0_seq1 m.131978	2	2	A7UI22_AMBAM Lospin 7
57	cds.comp72134_c0_seq1 m.132054	24	9	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
57	cds.comp72130_c0_seq1 m.132048	17	2	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
57	cds.comp86166_c0_seq1 m.154654	9	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
57	cds.comp122816_c0_seq1 m.203611	9	9	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
57	cds.comp86168_c0_seq1 m.154662	8	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
57	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
57	cds.comp124461_c0_seq1 m.205142	4	4	A1YW13_DERFA Der f 1 allergen
57	cds.comp30440_c0_seq1 m.58399	3	3	F0JA41_AMBVA Na+/K+ ATPase beta subunit
57	cds.comp86986_c0_seq1 m.155830	3	3	no hit
57	Der p 6.0101	3	3	Der p 6.0101
57	Der p 1.0107	2	2	Der p 1.0107

Spot number	Accession	#Peptides	#Unique	Description
57	cds.comp118488_c0_seq1 m.198747	2	2	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein
57	cds.comp90809_c0_seq1 m.161776	2	2	L7M2J0_9ACAR Putative aminopeptidase of the m17 family
57	cds.comp57928_c0_seq1 m.107765	2	2	Q7PF06_ANOGA AGAP011050-PA
58	cds.comp72134_c0_seq1 m.132054	19	5	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
58	cds.comp72130_c0_seq1 m.132048	15	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
58	cds.comp86166_c0_seq1 m.154654	11	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
58	cds.comp86168_c0_seq1 m.154662	10	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
58	cds.comp122816_c0_seq1 m.203611	10	10	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
58	cds.comp57928_c0_seq1 m.107765	6	6	Q7PF06_ANOGA AGAP011050-PA
58	cds.comp8012_c0_seq1 m.14281	4	3	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
58	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
58	cds.comp124461_c0_seq1 m.205142	4	4	A1YW13_DERFA Der f 1 allergen
58	Der p 6.0101	3	3	Der p 6.0101
58	cds.comp72078_c0_seq1 m.131978	3	3	A7UI22_AMBAM Lospin 7
58	Der p 1.0107	2	2	Der p 1.0107
58	cds.comp8071_c0_seq1 m.14356	2	1	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
59	cds.comp72134_c0_seq1 m.132054	22	7	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
59	cds.comp72130_c0_seq1 m.132048	16	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
59	cds.comp122816_c0_seq1 m.203611	13	13	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
59	cds.comp86166_c0_seq1 m.154654	12	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
59	cds.comp86168_c0_seq1 m.154662	11	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
59	Der p 6.0101	6	6	Der p 6.0101
59	cds.comp72078_c0_seq1 m.131978	5	5	A7UI22_AMBAM Lospin 7
59	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
59	cds.comp57928_c0_seq1 m.107765	4	4	Q7PF06_ANOGA AGAP011050-PA
59	Der p 1.0107	3	3	Der p 1.0107
59	Der p 9.0102	3	3	Q8MWR4_DERPT Serine protease LM-1 (Fragment) OS=Dermatophagoides pteronyssinus PE=2 SV=2
59	cds.comp124461_c0_seq1 m.205142	3	3	A1YW13_DERFA Der f 1 allergen
59	cds.comp114190_c0_seq1 m.193025	3	3	B7Q0D4_IXOSC Fumarylacetoacetase putative EC=3.7.1.2
59	cds.comp4546_c0_seq1 m.7079	2	2	R4WCI9_9HEMI Unkown protein
59	cds.comp123119_c0_seq1 m.203926	2	2	L7MJ22_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase Flags: Fragment
59	cds.comp29245_c0_seq1 m.56272	2	2	R4WEH7_9HEMI Ornithine decarboxylase Flags: Fragment
59	Der p 2.0105	2	2	Der p 2.0105
59	cds.comp27085_c0_seq1 m.52277	2	2	no hit
59	cds.comp148823_c0_seq1 m.219720	2	2	no hit
60	cds.comp72134_c0_seq1 m.132054	27	10	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
60	cds.comp72130_c0_seq1 m.132048	19	2	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
60	cds.comp122816_c0_seq1 m.203611	8	8	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
60	cds.comp86166_c0_seq1 m.154654	7	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
60	cds.comp86168_c0_seq1 m.154662	6	0	R4FNL2_RHOPR Putative cathepsin b-like proteinase
60	cds.comp124461_c0_seq1 m.205142	3	3	A1YW13_DERFA Der f 1 allergen
60	cds.comp86161_c0_seq1 m.154648	3	2	D6WGZ1_TRICA Cathepsin B
60	cds.comp57928_c0_seq1 m.107765	2	2	Q7PF06_ANOGA AGAP011050-PA
61	cds.comp72134_c0_seq1 m.132054	21	6	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
61	cds.comp72130_c0_seq1 m.132048	16	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
61	cds.comp122816_c0_seq1 m.203611	9	9	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
61	cds.comp86168_c0_seq1 m.154662	8	7	R4FNL2_RHOPR Putative cathepsin b-like proteinase
61	cds.comp123134_c0_seq1 m.203950	7	7	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
61	Der p 2.0112	6	6	Der p 2.0112
61	cds.comp57928_c0_seq1 m.107765	6	6	Q7PF06_ANOGA AGAP011050-PA
61	cds.comp59793_c0_seq1 m.111642	5	5	Q16M58_AEDAE AAEL012418-PA
61	cds.comp72078_c0_seq1 m.131978	5	5	A7UI22_AMBAM Lospin 7
61	cds.comp86986_c0_seq1 m.155830	5	5	no hit
61	cds.comp123876_c0_seq1 m.204690	5	5	H9HYH7_ATTCE 4-hydroxyphenylpyruvate dioxygenase
61	cds.comp53540_c0_seq1 m.100381	4	4	G3MH40_9ACAR Malate dehydrogenase EC=1.1.1.37 Flags: Fragment
61	cds.comp58725_c0_seq1 m.109492	4	4	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
61	cds.comp118488_c0_seq1 m.198747	4	4	L7M225_9ACAR Putative lysosomal pro-x carboxypeptidase-like protein

Spot number	Accession	#Peptides	#Unique	Description
61	cds.comp124461_c0_seq1 m.205142	3	3	A1YW13_DERFA Der f 1 allergen
61	cds.comp134821_c0_seq1 m.213456	3	3	Q7Z163_DERPT Trypsin-like serine protease
61	cds.comp11144_c0_seq1 m.19855	3	3	B7P512_IXOSC Acetylcholinesterase putative EC=3.1.1.7
61	cds.comp27085_c0_seq1 m.52277	3	3	no hit
61	cds.comp4546_c0_seq1 m.7079	2	2	R4WCI9_9HEMI Unkown protein
61	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
61	cds.comp100884_c0_seq1 m.175767	2	2	E9H9U9_DAPPU Putative uncharacterized protein
61	cds.comp114923_c0_seq1 m.194060	2	2	Q9Y197_DERPT Alpha-amylase Flags: Fragment
61	cds.comp86161_c0_seq1 m.154648	2	1	D6WGZ1_TRICA Cathepsin B
61	cds.comp100562_c0_seq1 m.175130	2	2	B7Q8U6_IXOSC Adenosine kinase putative EC=2.7.1.20
61	cds.comp32740_c0_seq1 m.62997	2	2	G1UIC8_9ARAC Thioester-containing protein
61	cds.comp117832_c0_seq1 m.197937	2	2	B4LCX5_DROVI GJ12921
61	cds.comp60484_c0_seq1 m.112775	2	2	L7MIP8_9ACAR Putative beta-lactamase Flags: Fragment
62	cds.comp72134_c0_seq1 m.132054	25	10	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
62	cds.comp72130_c0_seq1 m.132048	16	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
62	cds.comp107939_c0_seq1 m.184964	10	10	A1KXI6_BLOTA Blo t aldehyde dehydrogenase allergen
62	cds.comp123134_c0_seq1 m.203950	8	8	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
62	cds.comp57928_c0_seq1 m.107765	7	7	Q7PF06_ANOGA AGAP011050-PA
62	cds.comp123876_c0_seq1 m.204690	7	7	H9HYH7_ATTCE 4-hydroxyphenylpyruvate dioxygenase

Spot number	Accession	#Peptides	#Unique	Description
62	cds.comp122816_c0_seq1 m.203611	6	6	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
62	cds.comp53540_c0_seq1 m.100381	6	6	G3MH40_9ACAR Malate dehydrogenase EC=1.1.1.37 Flags: Fragment
62	cds.comp86168_c0_seq1 m.154662	4	3	R4FNL2_RHOPR Putative cathepsin b-like proteinase
62	cds.comp59793_c0_seq1 m.111642	4	4	Q16M58_AEDAE AAEL012418-PA
62	cds.comp86986_c0_seq1 m.155830	4	4	no hit
62	cds.comp124461_c0_seq1 m.205142	4	4	A1YW13_DERFA Der f 1 allergen
62	cds.comp134821_c0_seq1 m.213456	3	3	Q7Z163_DERPT Trypsin-like serine protease
62	cds.comp32740_c0_seq1 m.62997	3	3	G1UIC8_9ARAC Thioester-containing protein
62	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
62	cds.comp86172_c0_seq1 m.154673	2	1	R4FNL2_RHOPR Putative cathepsin b-like proteinase
62	cds.comp114923_c0_seq1 m.194060	2	2	Q9Y197_DERPT Alpha-amylase Flags: Fragment
63	cds.comp72134_c0_seq1 m.132054	22	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
63	Der p 3.0101	22	1	P39675_DERP3_DERPT Mite allergen Der p 3 OS=Dermatophagoides pteronyssinus GN=DERP3 PE=1 SV=1
63	cds.comp72130_c0_seq1 m.132048	15	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
63	cds.comp134821_c0_seq1 m.213456	7	7	Q7Z163_DERPT Trypsin-like serine protease
63	cds.comp123115_c0_seq1 m.203925	7	7	L7M5B4_9ACAR Putative 3-hydroxyacyl-coa dehydrogenase
63	cds.comp59796_c0_seq1 m.111647	5	5	Q16M58_AEDAE AAEL012418-PA
63	cds.comp100562_c0_seq1 m.175130	5	5	B7Q8U6_IXOSC Adenosine kinase putative EC=2.7.1.20
63	cds.comp57928_c0_seq1 m.107765	4	4	Q7PF06_ANOGA AGAP011050-PA

Spot number	Accession	#Peptides	#Unique	Description
63	Der p 2.0104	4	4	Der p 2.0104
63	cds.comp86986_c0_seq1 m.155830	3	3	no hit
63	cds.comp122816_c0_seq1 m.203611	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
63	cds.comp58725_c0_seq1 m.109492	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
63	cds.comp114923_c0_seq1 m.194060	2	2	Q9Y197_DERPT Alpha-amylase Flags: Fragment
64	Der p 3.0101	28	12	P39675_DERP3_DERPT Mite allergen Der p 3 OS=Dermatophagoides pteronyssinus GN=DERP3 PE=1 SV=1
64	cds.comp72130_c0_seq1 m.132048	17	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
64	cds.comp134821_c0_seq1 m.213456	7	7	Q7Z163_DERPT Trypsin-like serine protease
64	cds.comp86986_c0_seq1 m.155830	7	7	no hit
64	cds.comp58725_c0_seq1 m.109492	4	4	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
64	cds.comp100562_c0_seq1 m.175130	4	4	B7Q8U6_IXOSC Adenosine kinase putative EC=2.7.1.20
64	Der p 1.0107	3	3	Der p 1.0107
64	cds.comp77087_c0_seq1 m.140422	3	3	E2BH78_HARSA Phosphatidylinositol-specific phospholipase C X domain-containing protein 1
64	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
64	cds.comp86983_c0_seq1 m.155817	2	2	no hit
64	cds.comp53540_c0_seq1 m.100381	2	2	G3MH40_9ACAR Malate dehydrogenase EC=1.1.1.37 Flags: Fragment
64	cds.comp4654_c0_seq1 m.7303	2	2	no hit
64	cds.comp61446_c0_seq1 m.114264	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
64	cds.comp90671_c0_seq1 m.161623	2	2	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23

Spot number	Accession	#Peptides	#Unique	Description
64	cds.comp57928_c0_seq1 m.107765	2	2	Q7PF06_ANOGA AGAP011050-PA
64	cds.comp75373_c0_seq1 m.137683	2	2	D3PI43_9MAXI Platelet-activating factor acetylhydrolase IB subunit gamma
65	Der p 3.0101	28	12	P39675_DERP3_DERPT Mite allergen Der p 3 OS=Dermatophagoides pteronyssinus GN=DERP3 PE=1 SV=1
65	cds.comp72130_c0_seq1 m.132048	17	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
65	cds.comp134821_c0_seq1 m.213456	8	8	Q7Z163_DERPT Trypsin-like serine protease
65	cds.comp86986_c0_seq1 m.155830	6	6	no hit
65	cds.comp18135_c0_seq1 m.33902	6	6	K7J833_NASVI Malate dehydrogenase EC=1.1.1.37
65	cds.comp100562_c0_seq1 m.175130	4	4	B7Q8U6_IXOSC Adenosine kinase putative EC=2.7.1.20
65	cds.comp57928_c0_seq1 m.107765	3	3	Q7PF06_ANOGA AGAP011050-PA
65	cds.comp86983_c0_seq1 m.155817	2	2	no hit
65	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
65	cds.comp4654_c0_seq1 m.7303	2	2	no hit
65	cds.comp61446_c0_seq1 m.114264	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
65	cds.comp90671_c0_seq1 m.161623	2	2	E9FTN1_DAPPU Beta-galactosidase EC=3.2.1.23
65	cds.comp77087_c0_seq1 m.140422	2	2	E2BH78_HARSA Phosphatidylinositol-specific phospholipase C X domain-containing protein 1
65	cds.comp95432_c0_seq1 m.168277	2	2	L7M7J0_9ACAR Putative ribonuclease t2 family
65	cds.comp92389_c0_seq1 m.164353	2	2	D6WCM8_TRICA Beta-galactosidase EC=3.2.1.23
66	Der p 3.0101	24	9	P39675_DERP3_DERPT Mite allergen Der p 3 OS=Dermatophagoides pteronyssinus GN=DERP3 PE=1 SV=1
66	cds.comp72130_c0_seq1 m.132048	16	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
66	cds.comp18135_c0_seq1 m.33902	6	6	K7J833_NASVI Malate dehydrogenase EC=1.1.1.37
66	cds.comp134821_c0_seq1 m.213456	6	6	Q7Z163_DERPT Trypsin-like serine protease
66	cds.comp86986_c0_seq1 m.155830	6	6	no hit
66	cds.comp86983_c0_seq1 m.155817	2	2	no hit
66	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
66	cds.comp95432_c0_seq1 m.168277	2	2	L7M7J0_9ACAR Putative ribonuclease t2 family
67	Der p 3.0101	30	15	P39675_DERP3_DERPT Mite allergen Der p 3 OS=Dermatophagoides pteronyssinus GN=DERP3 PE=1 SV=1
67	cds.comp72130_c0_seq1 m.132048	16	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
67	cds.comp18135_c0_seq1 m.33902	10	10	K7J833_NASVI Malate dehydrogenase EC=1.1.1.37
67	cds.comp134821_c0_seq1 m.213456	8	8	Q7Z163_DERPT Trypsin-like serine protease
67	cds.comp86986_c0_seq1 m.155830	6	6	no hit
67	cds.comp95432_c0_seq1 m.168277	3	3	L7M7J0_9ACAR Putative ribonuclease t2 family
67	cds.comp4303_c0_seq1 m.6631	2	2	E2A599_CAMFO Lysosomal alpha-glucosidase
67	cds.comp4654_c0_seq1 m.7303	2	2	no hit
67	cds.comp104639_c0_seq1 m.180559	2	2	B7PLR3_IXOSC Filamin-C putative EC=3.1.3.48
68	Der p 1.0116	10	0	Der p 1.0116
68	Der p 1.0108	9	0	Der p 1.0108
68	cds.comp116086_c0_seq1 m.195553	9	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
68	Der p 1.0103	8	1	Der p 1.0103

Spot number	Accession	#Peptides	#Unique	Description
68	cds.comp136840_c0_seq1 m.214779	5	5	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
68	cds.comp86168_c0_seq1 m.154662	4	3	R4FNL2_RHOPR Putative cathepsin b-like proteinase
68	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
68	cds.comp136643_c0_seq1 m.214661	4	4	E2C2J9_HARSA Pancreatic triacylglycerol lipase
68	cds.comp128133_c0_seq1 m.208437	3	3	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
68	Der p 6.0101	3	3	Der p 6.0101
68	cds.comp8014_c0_seq1 m.14284	2	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
68	cds.comp86985_c0_seq1 m.155823	2	2	no hit
68	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
69	Der p 1.0115	11	0	Der p 1.0115
69	Der p 1.0121	11	0	Der p 1.0121
69	cds.comp116086_c0_seq1 m.195553	9	2	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
69	Der p 1.0103	9	1	Der p 1.0103
69	cds.comp86168_c0_seq1 m.154662	5	4	R4FNL2_RHOPR Putative cathepsin b-like proteinase
69	cds.comp136840_c0_seq1 m.214779	5	5	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
69	Der p 6.0101	4	4	Der p 6.0101
69	cds.comp8063_c0_seq1 m.14348	3	3	A1KXH2_DERFA Der f 1 allergen
69	cds.comp86161_c0_seq1 m.154648	3	2	D6WGZ1_TRICA Cathepsin B
69	cds.comp62314_c0_seq1 m.115830	2	2	B7Q0R0_IXOSC Phosphoglycerate mutase putative EC=5.4.2.1

Spot number	Accession	#Peptides	#Unique	Description
69	cds.comp58725_c0_seq1 m.109492	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
70	Der p 1.0105	11	0	Der p 1.0105
70	Der p 1.0121	11	2	Der p 1.0121
70	cds.comp116086_c0_seq1 m.195553	9	2	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
70	cds.comp136840_c0_seq1 m.214779	5	5	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
70	cds.comp86168_c0_seq1 m.154662	4	3	R4FNL2_RHOPR Putative cathepsin b-like proteinase
70	cds.comp117252_c0_seq1 m.197148	4	4	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
70	cds.comp86161_c0_seq1 m.154648	4	3	D6WGZ1_TRICA Cathepsin B
70	Der p 6.0101	3	3	Der p 6.0101
70	cds.comp58728_c0_seq1 m.109496	2	2	G9C5D5_SCHGR Fructose-bisphosphate aldolase EC=4.1.2.13
71	cds.comp136841_c0_seq1 m.214780	10	10	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
71	Der p 1.0116	9	0	Der p 1.0116
71	Der p 1.0121	8	1	Der p 1.0121
71	cds.comp116084_c0_seq1 m.195549	8	2	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
71	cds.comp86168_c0_seq1 m.154662	4	3	R4FNL2_RHOPR Putative cathepsin b-like proteinase
71	cds.comp112995_c0_seq1 m.191100	4	4	Q28XY6_DROPS GA19673 isoform A SubName: Full=GA19673 isoform B
71	cds.comp86162_c0_seq1 m.154650	3	2	D6WGZ1_TRICA Cathepsin B
71	cds.comp94280_c0_seq1 m.166903	2	2	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
71	cds.comp122816_c0_seq1 m.203611	2	2	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
71	cds.comp11138_c0_seq1 m.19849	2	2	B3TFG6_9ACAR Esterase TCE1
71	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
72	Der p 1.0121	16	2	Der p 1.0121
72	Der p 1.0105	16	0	Der p 1.0105
72	cds.comp116086_c0_seq1 m.195553	13	2	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
72	cds.comp136840_c0_seq1 m.214779	9	9	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
72	cds.comp86164_c0_seq1 m.154651	3	3	B0W0V3_CULQU Cathepsin L
72	cds.comp74118_c0_seq1 m.135887	2	2	Q2YFF0_SARSC Glutathione transferase mu class Yv5004H11
72	cds.comp94280_c0_seq1 m.166903	2	2	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
72	Der p 6.0101	2	2	Der p 6.0101
72	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
73	cds.comp123878_c0_seq1 m.204693	11	11	K7J3E2_NASVI 4-hydroxyphenylpyruvate dioxygenase
73	Der p 1.0108	8	1	Der p 1.0108
73	Der p 1.0118	8	0	Der p 1.0118
73	cds.comp136840_c0_seq1 m.214779	8	8	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
73	cds.comp116086_c0_seq1 m.195553	7	2	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
73	Der p 2.0104	7	7	Der p 2.0104
73	cds.comp58725_c0_seq1 m.109492	6	6	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
73	cds.comp35806_c0_seq1 m.69175	6	6	D2SNU8_HELVI Short-chain dehydrogenase

Spot number	Accession	#Peptides	#Unique	Description
73	cds.comp122816_c0_seq1 m.203611	4	4	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
73	cds.comp114225_c0_seq1 m.193096	4	4	Q5TQ02_ANOGA AGAP011457-PA Flags: Fragment
73	cds.comp88963_c0_seq1 m.159079	3	3	L7M287_9ACAR Glutathione peroxidase
73	cds.comp8010_c0_seq1 m.14279	3	3	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
73	Der p 8.0101	2	2	P46419_GSTM1_DERPT Glutathione S-transferase OS=Dermatophagoides pteronyssinus PE=1 SV=1
73	cds.comp86985_c0_seq1 m.155823	2	2	no hit
73	cds.comp114625_c0_seq1 m.193683	2	2	A1KXH6_DERFA Der f 8 allergen Flags: Fragment
73	cds.comp72078_c0_seq1 m.131978	2	2	A7UI22_AMBAM Lospin 7
73	cds.comp116578_c0_seq1 m.196362	2	2	Q3Y596_MACRS Superoxide dismutase EC=1.15.1.1
73	cds.comp117252_c0_seq1 m.197148	2	2	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
73	cds.comp75373_c0_seq1 m.137683	2	2	D3PI43_9MAXI Platelet-activating factor acetylhydrolase IB subunit gamma
73	cds.comp61446_c0_seq1 m.114264	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
73	cds.comp112919_c0_seq1 m.190975	2	2	no hit
73	cds.comp57928_c0_seq1 m.107765	2	2	Q7PF06_ANOGA AGAP011050-PA
73	cds.comp72130_c0_seq1 m.132048	2	2	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
73	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
73	cds.comp87578_c0_seq1 m.156729	2	2	B7QC64_IXOSC Glutathione S-transferase kappa putative EC=2.5.1.18
74	cds.comp136840_c0_seq1 m.214779	19	19	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
74	Der p 2.0112	8	1	Der p 2.0112

Spot number	Accession	#Peptides	#Unique	Description
74	Der p 2.0109	8	1	Der p 2.0109
74	Der p 1.0118	6	3	Der p 1.0118
74	cds.comp116086_c0_seq1 m.195553	5	2	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
74	cds.comp58725_c0_seq1 m.109492	5	5	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
74	cds.comp47794_c0_seq1 m.89789	5	5	L7M2A4_9ACAR Putative alpha actinin
74	cds.comp55438_c0_seq1 m.103707	5	5	B7PEY0_IXOSC AP-2 complex subunit alpha-1 putative
74	cds.comp86986_c0_seq1 m.155830	4	4	no hit
74	Der p 9.0101	3	3	Q7Z163_DERPT Trypsin-like serine protease OS=Dermatophagoides pteronyssinus PE=2 SV=1
74	cds.comp120093_c0_seq1 m.200515	3	3	B7QGR2_IXOSC Apical endosomal glycoprotein putative Flags: Fragment
74	cds.comp117504_c0_seq1 m.197521	3	3	F4WNF6_ACREC Proteasome subunit alpha type EC=3.4.25.1 Flags: Fragment
74	cds.comp72078_c0_seq1 m.131978	3	3	A7UI22_AMBAM Lospin 7
74	cds.comp8010_c0_seq1 m.14279	3	3	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
74	cds.comp8016_c0_seq1 m.14286	3	3	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
74	cds.comp77087_c0_seq1 m.140422	3	3	E2BH78_HARSA Phosphatidylinositol-specific phospholipase C X domain-containing protein 1
74	cds.comp95432_c0_seq1 m.168277	2	2	L7M7J0_9ACAR Putative ribonuclease t2 family
74	cds.comp95433_c0_seq1 m.168278	2	2	L7M7J0_9ACAR Putative ribonuclease t2 family
74	cds.comp112995_c0_seq1 m.191100	2	2	Q28XY6_DROPS GA19673 isoform A SubName: Full=GA19673 isoform B
74	cds.comp90293_c0_seq1 m.161025	2	2	B7PSJ2_IXOSC Proteasome subunit alpha type EC=3.4.25.1
74	cds.comp116393_c0_seq1 m.196074	2	2	L7M9E3_9ACAR Putative beta adaptin

Spot number	Accession	#Peptides	#Unique	Description
74	cds.comp61446_c0_seq1 m.114264	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
74	cds.comp72133_c0_seq1 m.132053	2	2	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
74	cds.comp75373_c0_seq1 m.137683	2	2	D3PI43_9MAXI Platelet-activating factor acetylhydrolase IB subunit gamma
74	cds.comp8009_c0_seq1 m.14277	2	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
74	cds.comp114923_c0_seq1 m.194060	2	2	Q9Y197_DERPT Alpha-amylase Flags: Fragment
75	cds.comp58725_c0_seq1 m.109492	15	15	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
75	Der p 2.0112	8	8	Der p 2.0112
75	cds.comp87576_c0_seq1 m.156724	7	7	B7QC64_IXOSC Glutathione S-transferase kappa putative EC=2.5.1.18
75	cds.comp35806_c0_seq1 m.69175	7	7	D2SNU8_HELVI Short-chain dehydrogenase
75	cds.comp114625_c0_seq1 m.193683	7	6	A1KXH6_DERFA Der f 8 allergen Flags: Fragment
75	Der p 1.0122	6	3	Der p 1.0122
75	cds.comp120091_c0_seq1 m.200514	6	6	B7QGR2_IXOSC Apical endosomal glycoprotein putative Flags: Fragment
75	cds.comp116393_c0_seq1 m.196074	6	6	L7M9E3_9ACAR Putative beta adaptin
75	cds.comp75040_c0_seq1 m.137217	5	5	E0VP09_PEDHC Protein-L-isoaspartate O-methyltransferase EC=2.1.1.77
75	cds.comp61446_c0_seq1 m.114264	5	5	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
75	cds.comp116086_c0_seq1 m.195553	4	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
75	cds.comp88453_c0_seq1 m.158224	4	4	Q09JF9_ARGMO Mitochondrial associated endoribonuclease MAR1-isochorismatase superfamily
75	cds.comp112920_c0_seq1 m.190979	4	4	no hit
75	Der p 8.0101	3	2	P46419_GSTM1_DERPT Glutathione S-transferase OS=Dermatophagoides pteronyssinus PE=1 SV=1

Spot number	Accession	#Peptides	#Unique	Description
75	cds.comp75369_c0_seq1 m.137678	3	2	E0W141_PEDHC Platelet-activating factor acetylhydrolase ib putative
75	cds.comp116578_c0_seq1 m.196362	3	3	Q3Y596_MACRS Superoxide dismutase EC=1.15.1.1
75	cds.comp72078_c0_seq1 m.131978	3	3	A7UI22_AMBAM Lospin 7
75	cds.comp70238_c0_seq1 m.128857	3	3	L7M422_9ACAR Putative pyridoxamine-phosphate oxidase
75	cds.comp15338_c0_seq1 m.28443	3	2	Q2YFE4_DERPT Glutathione transferase mu class Dp7002H05
75	cds.comp72133_c0_seq1 m.132053	3	3	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
75	cds.comp5428_c0_seq1 m.9113	3	3	E2AIC3_CAMFO Pyridoxine-5'-phosphate oxidase
75	cds.comp136839_c0_seq1 m.214778	2	2	L7UZA7_DERFA Triosephosphate isomerase EC=5.3.1.1
75	cds.comp88963_c0_seq1 m.159079	2	2	L7M287_9ACAR Glutathione peroxidase
75	cds.comp75372_c0_seq1 m.137682	2	1	B4MGD8_DROVI GJ18477
75	cds.comp92386_c0_seq1 m.164348	2	2	D6WCN0_TRICA Beta-galactosidase EC=3.2.1.23
75	cds.comp9610_c0_seq1 m.17297	2	2	E0VCV6_PEDHC Carboxypeptidase M putative EC=3.4.17.22
75	cds.comp114923_c0_seq1 m.194060	2	2	Q9Y197_DERPT Alpha-amylase Flags: Fragment
75	cds.comp95575_c0_seq1 m.168518	2	2	G3MMG5_9ACAR Proteasome subunit alpha type EC=3.4.25.1
76	cds.comp114625_c0_seq1 m.193683	9	7	A1KXH6_DERFA Der f 8 allergen Flags: Fragment
76	Der p 8.0101	7	5	P46419_GSTM1_DERPT Glutathione S-transferase OS=Dermatophagoides pteronyssinus PE=1 SV=1
76	cds.comp95432_c0_seq1 m.168277	7	7	L7M7J0_9ACAR Putative ribonuclease t2 family
76	cds.comp15338_c0_seq1 m.28443	7	5	Q2YFE4_DERPT Glutathione transferase mu class Dp7002H05
76	cds.comp35506_c0_seq1 m.68564	6	6	G6DQU9_DANPL Proteasome subunit beta type EC=3.4.25.1

Spot number	Accession	#Peptides	#Unique	Description
76	cds.comp15338_c0_seq1 m.28442	6	6	Q2YFE4_DERPT Glutathione transferase mu class Dp7002H05
76	cds.comp53420_c0_seq1 m.100211	4	4	B4PC03_DROYA GE11380
76	Der p 1.0114	3	2	Der p 1.0114
76	cds.comp83765_c0_seq1 m.150899	3	3	E9G1A4_DAPPU Putative uncharacterized protein
76	cds.comp116086_c0_seq1 m.195553	2	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
76	cds.comp72133_c0_seq1 m.132053	2	2	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
76	cds.comp95575_c0_seq1 m.168518	2	2	G3MMG5_9ACAR Proteasome subunit alpha type EC=3.4.25.1
76	cds.comp58725_c0_seq1 m.109492	2	2	E9IA80_SOLIN Fructose-bisphosphate aldolase EC=4.1.2.13 Flags: Fragment
76	cds.comp61446_c0_seq1 m.114264	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
76	cds.comp122683_c0_seq1 m.203466	2	2	R4WDM8_9HEMI Short-chain dehydrogenase
77	cds.comp15338_c0_seq1 m.28443	7	5	Q2YFE4_DERPT Glutathione transferase mu class Dp7002H05
77	cds.comp114625_c0_seq1 m.193683	7	5	A1KXH6_DERFA Der f 8 allergen Flags: Fragment
77	cds.comp15338_c0_seq1 m.28442	6	6	Q2YFE4_DERPT Glutathione transferase mu class Dp7002H05
77	cds.comp95432_c0_seq1 m.168277	6	6	L7M7J0_9ACAR Putative ribonuclease t2 family
77	cds.comp35506_c0_seq1 m.68564	5	5	G6DQU9_DANPL Proteasome subunit beta type EC=3.4.25.1
77	cds.comp53420_c0_seq1 m.100211	4	4	B4PC03_DROYA GE11380
77	cds.comp122683_c0_seq1 m.203466	3	3	R4WDM8_9HEMI Short-chain dehydrogenase
77	Der p 8.0101	3	1	P46419_GSTM1_DERPT Glutathione S-transferase OS=Dermatophagoides pteronyssinus PE=1 SV=1
78	cds.comp134821_c0_seq1 m.213456	16	16	Q7Z163_DERPT Trypsin-like serine protease

Spot number	Accession	#Peptides	#Unique	Description
78	cds.comp95432_c0_seq1 m.168277	4	4	L7M7J0_9ACAR Putative ribonuclease t2 family
79	cds.comp117245_c0_seq1 m.197139	3	3	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
79	cds.comp8071_c0_seq1 m.14356	2	2	PEPT1_EURMA Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Eur m I AltName: Full=Mite group 1 allergen Eur m 1 AltName: Allergen=Eur m 1 Flags: Precursor
79	cds.comp129013_c0_seq1 m.209205	2	2	B4JYH8_DROGR GH14296
80	Der p 2.0112	10	10	Der p 2.0112
80	cds.comp117252_c0_seq1 m.197148	5	5	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
80	cds.comp142309_c0_seq1 m.217543	5	5	I7E449_ANTYA Trypsin
80	Der p 1.0106	3	2	Der p 1.0106
80	cds.comp129013_c0_seq1 m.209205	3	3	B4JYH8_DROGR GH14296
80	cds.comp107339_c0_seq1 m.184045	3	3	L7LUC2_9ACAR Adenylyl cyclase-associated protein
80	cds.comp116086_c0_seq1 m.195553	2	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
80	cds.comp39349_c0_seq1 m.74988	2	2	Q09JE3_ARGMO Superoxide dismutase [Cu-Zn] EC=1.15.1.1
80	cds.comp11404_c0_seq1 m.20428	2	2	A5X5X4_DERFA Allergen SubName: Full=Group 22 allergen Der f 22
80	cds.comp2827_c0_seq1 m.3911	2	2	L7UZ91_DERFA Ferritin
80	cds.comp92386_c0_seq1 m.164348	2	2	D6WCN0_TRICA Beta-galactosidase EC=3.2.1.23
81	Der p 2.0112	8	1	Der p 2.0112
81	Der p 2.0109	8	1	Der p 2.0109
81	cds.comp117252_c0_seq1 m.197148	5	5	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
81	cds.comp113514_c0_seq1 m.191868	4	4	B4PW26_DROYA GE14560

Spot number	Accession	#Peptides	#Unique	Description
81	cds.comp29245_c0_seq1 m.56272	4	4	R4WEH7_9HEMI Ornithine decarboxylase Flags: Fragment
81	Der p 1.0120	3	2	Der p 1.0120
81	cds.comp67992_c0_seq1 m.124878	3	3	Q66RP5_TYRPU Fatty acid-biding protein
81	cds.comp116084_c0_seq1 m.195549	2	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
81	cds.comp70421_c0_seq1 m.129141	2	2	no hit
81	cds.comp120093_c0_seq1 m.200515	2	2	B7QGR2_IXOSC Apical endosomal glycoprotein putative Flags: Fragment
81	cds.comp46771_c0_seq1 m.88350	2	2	B7Q8W6_IXOSC Alkyl hydroperoxide reductase thiol specific antioxidant putative EC=1.11.1.15
82	Der p 2.0112	10	1	Der p 2.0112
82	Der p 2.0109	10	1	Der p 2.0109
82	cds.comp117252_c0_seq1 m.197148	8	8	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
82	cds.comp29245_c0_seq1 m.56272	5	5	R4WEH7_9HEMI Ornithine decarboxylase Flags: Fragment
82	Der p 1.0106	3	3	Der p 1.0106
82	cds.comp46788_c0_seq1 m.88368	3	3	B7Q8W6_IXOSC Alkyl hydroperoxide reductase thiol specific antioxidant putative EC=1.11.1.15
82	cds.comp105854_c0_seq1 m.181986	2	2	A1IHK5_HAELO Serine carboxypeptidase
82	cds.comp78049_c0_seq1 m.141912	2	2	Q9XXZ6_BOMMO Polyubiquitin
83	cds.comp117245_c0_seq1 m.197139	5	5	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
84	Der p 2.0109	12	0	Der p 2.0109
84	Der p 2.0112	12	0	Der p 2.0112
84	Der p 2.0107	12	0	Der p 2.0107

Spot number	Accession	#Peptides	#Unique	Description
84	Der p 2.0101	12	0	Der p 2.0101
84	Der p 2.0104	12	0	Der p 2.0104
84	Der p 2.0105	12	0	Der p 2.0105
84	Der p 2.0113	11	0	Der p 2.0113
84	Der p 2.0114	9	0	Der p 2.0114
84	cds.comp105854_c0_seq1 m.181986	6	6	A1IHK5_HAELO Serine carboxypeptidase
84	cds.comp117252_c0_seq1 m.197148	4	4	ALL2_PSOOV Mite group 2 allergen Pso o 2 AltName: Full=Allergen Pso o A AltName: Allergen=Pso o 2 Flags: Precursor
84	cds.comp11404_c0_seq1 m.20428	4	4	A5X5X4_DERFA Allergen SubName: Full=Group 22 allergen Der f 22
84	cds.comp23278_c0_seq1 m.44326	3	3	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
84	Der p 1.0107	2	2	Der p 1.0107
85	Der p 2.0113	4	4	Der p 2.0113
86	Der p 2.0109	12	0	Der p 2.0109
86	Der p 2.0107	12	0	Der p 2.0107
86	Der p 2.0112	12	0	Der p 2.0112
86	Der p 2.0101	12	0	Der p 2.0101
86	Der p 2.0104	12	0	Der p 2.0104
86	Der p 2.0105	12	0	Der p 2.0105
86	Der p 2.0113	11	0	Der p 2.0113
86	Der p 2.0114	9	0	Der p 2.0114

Spot number	Accession	#Peptides	#Unique	Description
86	cds.comp11404_c0_seq1 m.20428	5	5	A5X5X4_DERFA Allergen SubName: Full=Group 22 allergen Der f 22
86	cds.comp112919_c0_seq1 m.190975	5	5	comp112919_c0_seq1 g.190975 ORF comp112919_c0_seq1 g.190975 comp112919_c0_seq1 m.190975 type:complete len:106 (-) comp112919_c0_seq1:1574-1891(-)NoHit
86	cds.comp23278_c0_seq1 m.44326	2	2	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
87	Der p 2.0107	14	0	Der p 2.0107
87	Der p 2.0101	14	0	Der p 2.0101
87	Der p 2.0105	14	0	Der p 2.0105
87	Der p 2.0102	14	0	Der p 2.0102
87	Der p 2.0109	14	0	Der p 2.0109
87	Der p 2.0112	14	0	Der p 2.0112
87	Der p 2.0103	14	0	Der p 2.0103
87	Der p 2.0104	14	0	Der p 2.0104
87	Der p 2.0111	14	0	Der p 2.0111
87	Der p 2.0113	13	0	Der p 2.0113
87	Der p 2.0114	10	0	Der p 2.0114
87	cds.comp112917_c0_seq1 m.190971	4	4	no hit
87	cds.comp11404_c0_seq1 m.20428	3	3	A5X5X4_DERFA Allergen SubName: Full=Group 22 allergen Der f 22
87	cds.comp23278_c0_seq1 m.44326	2	2	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
88	Der p 2.0109	13	0	Der p 2.0109
88	Der p 2.0102	13	0	Der p 2.0102

Spot number	Accession	#Peptides	#Unique	Description
88	Der p 2.0104	13	0	Der p 2.0104
88	Der p 2.0111	13	0	Der p 2.0111
88	Der p 2.0112	13	0	Der p 2.0112
88	Der p 2.0113	13	0	Der p 2.0113
88	Der p 2.0114	10	0	Der p 2.0114
88	cds.comp112917_c0_seq1 m.190971	4	4	no hit
88	cds.comp11404_c0_seq1 m.20428	3	3	A5X5X4_DERFA Allergen SubName: Full=Group 22 allergen Der f 22
88	cds.comp23278_c0_seq1 m.44326	2	2	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
88	cds.comp86172_c0_seq1 m.154673	2	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
89	Der p 2.0107	5	1	Der p 2.0107
89	cds.comp94280_c0_seq1 m.166903	5	1	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
89	cds.comp23278_c0_seq1 m.44326	4	4	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
89	cds.comp72385_c0_seq1 m.132552	2	2	Q9GUA9_AMBAM Macrophage migration inhibitory factor
90	Der p 2.0109	8	1	Der p 2.0109
90	Der p 2.0112	8	0	Der p 2.0112
90	Der p 2.0113	7	0	Der p 2.0113
90	cds.comp112920_c0_seq1 m.190979	7	7	no hit
90	cds.comp11404_c0_seq1 m.20428	6	6	A5X5X4_DERFA Allergen SubName: Full=Group 22 allergen Der f 22
90	Der p 2.0114	5	0	Der p 2.0114

Spot number	Accession	#Peptides	#Unique	Description
90	cds.comp103957_c0_seq1 m.179732	3	3	A1KXG2_DERFA Peptidyl-prolyl cis-trans isomerase EC=5.2.1.8
90	cds.comp86172_c0_seq1 m.154673	2	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
90	cds.comp101224_c0_seq1 m.176142	2	2	D3TS01_GLOMM Nucleoside diphosphate kinase
90	cds.comp23278_c0_seq1 m.44326	2	2	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
90	cds.comp86985_c0_seq1 m.155823	2	2	no hit
90	cds.comp115292_c0_seq1 m.194597	2	2	C9W1L3_RHISA Hypothetical conserved secreted protein
91	Der p 2.0109	7	1	Der p 2.0109
91	Der p 2.0112	7	1	Der p 2.0112
91	cds.comp112920_c0_seq1 m.190979	6	6	no hit
91	cds.comp103957_c0_seq1 m.179732	2	2	A1KXG2_DERFA Peptidyl-prolyl cis-trans isomerase EC=5.2.1.8
91	cds.comp86172_c0_seq1 m.154673	2	2	R4FNL2_RHOPR Putative cathepsin b-like proteinase
91	cds.comp115292_c0_seq1 m.194597	2	2	C9W1L3_RHISA Hypothetical conserved secreted protein
91	cds.comp101224_c0_seq1 m.176142	2	2	D3TS01_GLOMM Nucleoside diphosphate kinase
91	cds.comp23278_c0_seq1 m.44326	2	2	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
91	cds.comp61455_c0_seq1 m.114274	2	2	B7PAQ0_IXOSC Gamma-glutamyltransferase putative EC=2.3.2.2
92	Der p 2.0112	6	1	Der p 2.0112
92	Der p 2.0109	6	1	Der p 2.0109
92	cds.comp23278_c0_seq1 m.44326	4	4	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
92	cds.comp72385_c0_seq1 m.132552	4	4	Q9GUA9_AMBAM Macrophage migration inhibitory factor

Spot number	Accession	#Peptides	#Unique	Description
92	Der p 9.0102	3	3	Q8MWR4_DERPT Serine protease LM-1 (Fragment) OS=Dermatophagoides pteronyssinus PE=2 SV=2
93				no identification
94	cds.comp23278_c0_seq1 m.44326	4	4	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
94	cds.comp94280_c0_seq1 m.166903	2	2	ALL2_DERPT Mite group 2 allergen Der p 2 AltName: Full=Allergen Der p II AltName: Full=DPX AltName: Allergen=Der p 2 Flags: Precursor
95	cds.comp23278_c0_seq1 m.44326	2	2	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
96	cds.comp23278_c0_seq1 m.44326	3	3	Q8MWR6_DERPT 14.5 kDa bacteriolytic enzyme
97	cds.comp122816_c0_seq1 m.203611	9	9	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
97	Der p 3.0101	8	1	P39675_DERP3_DERPT Mite allergen Der p 3 OS=Dermatophagoides pteronyssinus GN=DERP3 PE=1 SV=1
97	cds.comp72130_c0_seq1 m.132048	8	1	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
97	cds.comp72078_c0_seq1 m.131978	6	6	A7UI22_AMBAM Lospin 7
97	Der p 1.0120	3	2	Der p 1.0120
97	Der p 6.0101	3	3	Der p 6.0101
97	Der p 9.0102	3	3	Q8MWR4_DERPT Serine protease LM-1 (Fragment) OS=Dermatophagoides pteronyssinus PE=2 SV=2
97	cds.comp116084_c0_seq1 m.195549	2	1	PEPT1_DERPT Peptidase 1 EC=3.4.22.65 AltName: Full=Allergen Der p I AltName: Full=Major mite fecal allergen Der p 1 AltName: Allergen=Der p 1 Flags: Precursor
97	cds.comp4546_c0_seq1 m.7079	2	2	R4WCI9_9HEMI Unkown protein
97	cds.comp124461_c0_seq1 m.205142	2	2	A1YW13_DERFA Der f 1 allergen
97	cds.comp114198_c0_seq1 m.193051	2	2	B7Q0D4_IXOSC Fumarylacetoacetase putative EC=3.7.1.2
97	cds.comp86162_c0_seq1 m.154650	2	2	D6WGZ1_TRICA Cathepsin B
98	cds.comp122816_c0_seq1 m.203611	4	4	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor

Spot number	Accession	#Peptides	#Unique	Description
99	cds.comp122816_c0_seq1 m.203611	14	14	C1IE32_9HEXA Beta-1 3-D-glucanase EC=3.2.1.6 SubName: Full=Endo-beta-1 3-glucanase EC=3.2.1.39 Flags: Precursor
99	cds.comp72130_c0_seq1 m.132048	6	0	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor
99	cds.comp72131_c0_seq1 m.132050	6	0	DERP3_DERPT Mite allergen Der p 3 EC=3.4.21.- AltName: Full=Allergen Der p III AltName: Allergen=Der p 3 Flags: Precursor