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ARTICLE

Identification and in silico bioinformatics analysis of PR10 proteins in cashew nut

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Abstract

Proteins from cashew nut can elicit mild to severe allergic reactions. Three allergenic proteins have already been identified, and it is expected that additional allergens are present in cashew nut. pathogenesis-related protein 10 (PR10) allergens from pollen have been found to elicit similar allergic reactions as those from nuts and seeds. Therefore, we investigated the presence of *PR10* genes in cashew nut. Using RNA-seq analysis, we were able to identify several PR10-like transcripts in cashew nut and clone six putative *PR10* genes. In addition, PR10 protein expression in raw cashew nuts was confirmed by immunoblotting and liquid chromatography–mass spectrometry (LC–MS/MS) analyses. An in silico allergenicity assessment suggested that all identified cashew PR10 proteins are potentially allergenic and may represent three different isoallergens.

KEYWORDS

Anacardium occidentale, Bet v 1-like, cashew nut, in silico allergenicity analysis, oral allergy syndrome (OAS), PR10, RNA-seq

Abbreviations: aa, amino acids; APC, antigen-presenting cells; BAT, basophil activation test; Borax, sodium borate decahydrate; bp, base pairs; ELISAs, enzyme-linked immunosorbent assays; FAO/WHO, Agriculture Organization/World Health Organization; MHC, major histocompatibility complex; MT, melting temperatures; Mw, molecular weights; nsLTPs, nonspecific lipid transfer proteins; OAS, oral allergy syndrome; ORF, open reading frame; PDB code, protein data bank code; pI, isoelectric point; PR10, pathogenesis-related protein 10; PSM, the total number of identified peptides to spectrum matches.; RACE, rapid amplification of cDNA ends; SPT, skin prick test; TLPs, thaumatin-like proteins.

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1 | INTRODUCTION

The cashew tree (*Anacardium occidentale* L.) is a tropical perennial tree native to South America.[1] In the harvest season of 2017/2018, cashew nut production reached near 790,000 metric tons (on kernel basis), with Western Africa as lead producer representing 43% of the world share (International Nut and Dried Fruit Council; https://www.nutfruit.org/). Cashew nuts are appreciated for their taste and nutritional properties (such as high lipid and essential amino acids (aa) content, and rich in minerals like potassium, magnesium, and calcium).[2–4] In addition, they are suggested to have positive health effects, as consumption of the cashew nut kernel has been linked to reduction of cholesterol levels and coronary heart disease risks.[1,5,6] Some cashew nut proteins however, may induce adverse reactions in tree nut allergic individuals, with symptoms ranging from mild (like nausea, diarrhea, eczema, and asthma) to severe reactions[7] which are associated with a high risk of anaphylaxis.[8] Three allergens have been identified and characterized in cashew nut; Ana o 1 and Ana o 2 from the cupin family and Ana o 3 belonging to the albumin family.[9,10] Importantly, the pathophysiology of cashew nut allergic responses of some patients indicates mild oropharyngeal symptoms (i.e., symptoms in the middle throat area, including the oral cavity)[11–14] that match the oral allergy syndrome (OAS): oral tingling or itching (pruritus) with or without swelling of the lips, oral mucosa, and throat (angioedema).[13,15] According to studies of Li et al.[11] and Hasegawa et al.,[13] between 100 and 75% of respectively studied patients' cohorts showed OAS associated to cashew nut consumption. Also 64% of patients in a cohort of 176 children manifested typical OAS during a cashew nut food challenge test.[14] Proteins typically responsible for OAS include proteases, α-amylase inhibitors, peroxidases, profilins, seed-storage proteins, pathogenesis related proteins (PRs), thiol proteases, and lectins in vegetables.[16–20]

Bet v 1 from birch pollen is a main elicitor of pollen allergy symptoms and the first identified allergenic member of the family 10 of pathogenesis-related proteins (PR10).[21] Bet v 1 cross-reactive homolog that act as elicitors of a food-mediated OAS allergic immune response have been found in various fruits, vegetables, nuts (hazelnut, walnut, almond, and peanut) and seeds.[20–23] For instance, Ara h 8, the Bet v 1-homolog in peanut, is most likely responsible for the cross-reactivity observed between birch and peanut and its associated OAS symptoms,[24] while the PR10 protein Jug r 5 is evidently associated with the manifestation of a birch pollen-associated walnut allergy.[25]

Despite the fact that cashew nut allergy is often accompanied by symptoms consistent with OAS associated with a PR10-allergen hypersensitivity, no information is available on the presence of cross-reactive *PR10* genes in cashew nuts. Therefore, we employed an RNA-seq analysis to identify *PR10-like* transcripts in cashew nut. Subsequent cloning and sequence analysis enabled us to identify multiple *PR10* genes in cashew nut and allowed us to perform an in silico prediction analysis for allergenic potency of the identified putative cashew PR10 proteins.

2 | RESULTS

2.1 | Identification of putative cashew nut PR10-like genes by transcriptome analysis

Next-generation sequencing of RNA extracted from cashew nut resulted in an RNA-seq library of 65,599,531 trimmed reads with an average length of 112.3 base pairs (bp). A summary of statistics after sequencing is presented in Table 1. Genome alignment of reads for transcript assembly was not possible due to the lack of an existing reference genome database for cashew nut. Therefore, we used a de novo transcriptome assembly approach which generated a BLAST library consisting of 53,114 contigs with a minimum and maximum contig length of 126 and 12,132 bp, respectively. Fifty percent of the entire assembly is contained in contigs ≥804 bp.

Next, we used a BLAST query in the cashew nut transcriptome to identify putative PR10 proteins. Since PR10 protein sequences (derived from nut/seed) are not available for members within the cashew family (family of Anacardiaceae), we used the nut-derived PR10

TABLE 1 Summary of statistics of the RNA-seq library and de novo transcriptome assembly

	Count (no.)	Average length (bp)	Total bases (bp)
Reads	65,599,550	112.33	7,368,725,189
Matched reads[a]	58,971,799	112.27	6,620,625,613
Non matched reads[b]	6,627,751	112.87	748,099,576
Reads in pairs[c]	55,271,842	124.93	
Broken paired reads	3,699,957	125.31	
Contigs	53,114	599	31,860,598

[a]Number of reads that showed an overlap with each other.
[b]Number of reads that contained unique transcript sequence.
[c]Reads that have been sequenced from both ends.

TABLE 2 Identified contigs using the PR10 allergen Pru du 1 from almond as BLAST query, ranked according to total score value

	Contig mapping			BLAST results			
Contig no.	Consensus length (bp)	No. of reads	Average coverage	Total score	Min. E-value	Max identity (%)	Identity with
Contig #25355	529	34	7.26	368–423	5.15^{-44}–2.33^{-52}	49.69–54.72	Pru du 1.01 t/m Pru du 1.06
Contig #25514	626	76	13.88	322–353	6.47^{-37}–4.01^{-41}	40.52–43.23	Pru du 1.01 t/m Pru du 1.06
Contig #18220	711	277	43.52	344–376	8.04^{-40}–1.74^{-44}	44.87–50.00	Pru du 1.01 t/m Pru du 1.06
Contig #16127	421	539	142.77	195–229	5.21^{-19}–6.24^{-24}	39.39–41.84	Pru du 1.01 t/m Pru du 1.06
Contig #18221	236	28	11.80	139–171	2.79^{-11}–4.57^{-16}	37.66–55.36	Pru du 1.01 t/m Pru du 1.06
Contig #16128	456	315	74.49	106–164	2.39^{-06}–1.55^{-14}	36.36–48.98	Pru du 1.01 t/m Pru du 1.06
Contig #25317	718	234	35.74	104–113	2.39^{-06}–8.83^{-07}	36.36–39.39	Pru du 1.01 t/m Pru du 1.06
Contig #4938	732	3,835	578.90	104	4.84^{-06}	31.88	Pru du 1.01
Contig #25513	429	54	13.93	93	7.37^{-05}	38.89	Pru du 1.01

Note: Identified contigs using the PR10 allergen Pru du 1 from almond as BLAST query, ranked according to total score value. Putative PR10 amino acid sequences corresponding to each contig were aligned to Pru du 1 using Clustal W (1.7) multiple sequence alignment for comparison reasons.

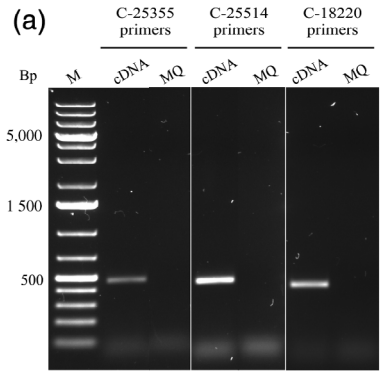
```
Pru du 1.01     MGVFTYESEFTSEIPPPRLFKAFVLDADNLVPKIAPQAIKHSEILEGDGGPGTIKKITFGEGSQ-YGYVKHKIDSIDKEN--HSYSYTLTEGDALGDNLEKISYETKLVASPSGGSIIKSTSHYHTKGDVEIKEEH-V-KAGKEKASNLFKLIETYLKGHPDAYN
Contig #25355   MGVITFTEEFSSPVPARRLFKAFVLDFDNLLPKLMPQVFKNIETIEGDGGPGTIKKLNISEGGE-VKYLKHRIDALDKEK--LIYNYTIIEGDAM-DKIESVSYEIKYEVSPDGGCKGTTVNKYYPKTGIELEEEK-I-KEARAKAMGLYKVVEGYLLANPDAY-
Contig #25514   MAVITDQLEVACTLPADKMFKGFVLDADDVFPKVMPQAIKSAELISGDGGAGSIRKVCVLEDDK-LTYMKHKVDFLDREN--LVFCYTIFEGDFLESKFEKVVYETKWESGPDGGSIFKATAKFYIVPGFEGAENF-I-TTEKEKAIGMIKAVEAHLKAN-----
Contig #18220   MGFACGEFEIESVLPAAKMFQASVLDADQLFPKIMSQAIKSAELLQGDGGAGSIRKVKLVEGD---SYMKHKVDALDKET--FVYNYTIFEGDTLTDKFEKIVYETKWESTPAGGSIFKSSVKFYTLPGFDVPGES-LLNKSKEKATAMVKAVEAYLQAN-----
Contig #16127   ------------------------------------------------------------GSS-IGYVKHRIDMIDKEN--YMCKYTFIDSDFLMDKLEYITYEVKFEGHGHRGCVCRITSEFKPKEGIEIKDID-I-ELGKDRSIGMYEVVEAYLLAHPNAY-
Contig #18221   MGFATGEFEVATALPAAKMFQGAVLDADQLFPKIMSQAIKSAELLEGDGGAGSIRK-------------------------------------------------------------------------------------------------------
Contig #16128   ---------FVAQVTPARMFKALILDSHNICPKLMFSSIKTMEYIEGNGEVGSIKQINFTEG-----------------Q--NSY-----------------------------GSFL-----------LYVNSQH-L-SLDRR----------------------
Contig #25317   -----------------------LELGSLVDKLLPDVLGKVEVIEGDGGVGTIIKLTFPPGTPGAGYMKEIFKTIDEEK-----------------------------------------------RVKETE-M-IEG-----------------------
Contig #4938    ------------------MFR-----NDQIMSKINPEMLAHAEYIQGDGSPGSLRLFKLGPAVQ--NYVKESTQKIEKVEIGRSVTYRVVEGE-----------------------------------------------------------------------
Contig #25513   ------------------------------------------------------------------------------------------------------------TKWESSPAGGSIFKSTVKFYTLPGFDVPAENLV-NTAKEKTTVMVKAVEAYLQAN-----
```

allergen Pru du 1 from almond from the phylogenetically related Rosaceae family.[26] This BLAST search identified nine contigs within the cashew RNA-seq paired reads dataset, that shared 32–55% sequence identity with Pru du 1 isoforms (Table 2). Sequence alignment revealed that only 3 of the 9 contigs identified contained a complete open reading frame (ORF) sequence. These were contig #18220, #25355, and #25514, whose sequences were subsequently used for cloning. The ORF in contig #25355 showed the highest sequence identity to Pru du 1.

To confirm the presence of the identified putative *PR10* ORFs in cashew nuts we used PCR-based cloning using contig-specific primers (Table S1). Sequence analysis of amplified full-length ORFs (Figure 1a) confirmed the *PR10-like* gene sequences that were predicted by the de novo transcript assembly. In addition, one or more genetic variants for two of the *PR10-like* ORFs were identified which differed slightly in length and sequence. These multiple allelic variants were found in *PR10* contig #25514 (clones #14 and 15) and *PR10* contig #18220 (clones #11, 12, and 25) (Figure 1b). The deduced proteins of the identified variants ranged in length between 154 and 159 aa and the molecular weights (Mw) were predicted to be in range of 16.9–17.8 kDa while isoelectric point (pI) values ranged from 4.7 to 5.0, as observed for other PR10 proteins.[27]

Sequence comparisons between the isolated clones and the assembled RNA-seq contigs showed a high level of sequence similarity. For example, clone #25355-15 showed 99% aa-homology with contig #25355 while clones #25514-14 and -15 are 100 and 98% homologous to contig #25514, respectively. Clones representing contig

(a)



(b)

Identified cashew *PR10-like* clones and deduced protein characteristics

Clone no.	Gene length (bp)	Protein lenght (aa)	Mw (kDa)	pI
#25355-15	477	159	17.8	5.0
#25514-14	465	155	17.2	4.7
#25514-15	462	154	17.0	4.7
#18220-11	462	154	16.9	4.9
#18220-12	462	154	16.9	4.9
#18220-25	462	154	16.9	4.9

FIGURE 1 Cloning of cashew PR10-like genes. (a) PCR amplification of PR10-like genes identified in contigs #25355, #18220, and #25514; (b) characteristics of the identified cashew PR10-like clones and their different variants. aa, amino acids; bp, base pairs; kDa, kilo Dalton; pI, isoelectric point

```
Bet v 1.0101          1 MGVFNYETETTSVIPAARLFKAFILDGDNLFPKVAPQAISSVENIEGNGGPGTIKKISFP
Pru du 1.01           1 MGVFTYESEFTSEIPPPRLFKAFVLDADNLVPKIAPQAIKHSEILEGDGGPGTIKKITFG
C PR10 25355-15       1 MGVITFTEEFSSPVPARRLFKAFVLDFDNLLPKLMPQVFKNIETIEGDGGPGTIKKLNIS
C PR10 25514-14       1 MAVITDQLEVACTLPADKMFKGFVLDADDVFPKVMPQAIKSAELISGDGGAGSIRKVCVL
C PR10 25514-15       1 -AVITDQLEVACALPADKMFKGFVLDADDVFPKVMPQAIKSAELISGDGGAGSIRKVCVL
C PR10 18220-11       1 MGFACGEFEIESVLPAAKMFQASVLDADQLFPKIMFQAIKSAELLQGDGGAGSIRKVKLV
C PR10 18220-12       1 MGFACGEFEIESVLPAAKMFQASVLDADQLFPKIMSQAIKSAELLQGDGGAGSIRKVKLV
C PR10 18220-25       1 MGFACGEFEIESVLPAAKMFQASVLDADQLFPKIMSQAIKSAELLQGDGGAGSIRKVKLV
                                                                  **********

Bet v 1.0101         61 EGFPFKYVKDRVDEVDHTNFKYNYSVIEGGPIGDTLEKISNEIKIVATPDGGSILKISNK
Pru du 1.01          61 EGSQYGYVKHKIDSIDKENHSYSYTLTEGDALGDNLEKISYETKLVASPSGGSIIKSTSH
C PR10 25355-15      61 EGGEVKYLKHRIDALDKEKLIYNYTIIEGDAM-DKIESVSYEIKYEVSPDGGCKGTTVNK
C PR10 25514-14      61 EDDKLTYMKHKVDFLDRENLVFCYTIFEGDFLESKFEKVVYETKWESGPDGGSIFKATAK
C PR10 25514-15      60 EDDKLTYMKHKVDFLDRENLVFCYTIFEGDFLESKFEKVVYETKWESGPDGGSIFKATAK
C PR10 18220-11      61 EGD--SYMKHKVDALDKETFVYNYTIFEGDTLTDKFEKIVYETKWESTPAGGSIFKSSVK
C PR10 18220-12      61 EGD--SYMKHKVDALDKETFVYNYTIFEGDTLTDKFEKIVYETKWESTPAGGSIFKSSVK
C PR10 18220-25      61 EGD--SYMKHKVDALDKETFVYNYTIFEGDTLTDKFEKIVYETKWESTPAGGSIFKSSVK
                                                                                •

Bet v 1.0101        121 YHTKGDHEVKAEQV-KASKEMGETLLRAVESYLLAHSDAYN
Pru du 1.01         121 YHTKGDVEIKEEHV-KAGKEKASNLFKLIETYLKGHPDAYN
C PR10 25355-15     120 YYPKTGIELEEEKI-KEARAKAMGLYKVVEGYLLANPDAYA
C PR10 25514-14     121 FYIVPGFE-GAENFITTEKEKAIGMIKAVEAHLKAN-----
C PR10 25514-15     120 FYIVPGFE-GAENFITTEKEKAIGMIKAVEAHLKAN-----
C PR10 18220-11     119 FYTLPGFDVPGESLLNKSKEKATAMVKAVEAYLQAN-----
C PR10 18220-12     119 FYTLPGFDVPGESLLNKSKEKATAMVKAVEAYLQAN-----
C PR10 18220-25     119 FYTLPGFDVPGESLLNKSKEKVTAMVKAVEAYLQAN-----
```

FIGURE 2 Clustal alignment of the cashew PR10-like proteins, Bet v 1.0101 (P15494) from birch pollen and Pru du 1.0101 (ACE80939.1) from almond. Cashew nut AA-regions that are identical to the PR10 proteins of birch and/or almond are shaded in grey. Putative phosphorylation sites are indicated in bolt red, putative N-myristoylation sites are indicated in bold italic green and predicted N-glycosylations sites are blue underlined. Stars underneath the alignment mark the p-loop region in Bet v 1.0101. The • indicates Ser112 essential for IgE cross-reactivity between Bet v 1 and Mal d 1

#18220 showed 99% (#18220-11), 100% (#18220-12), and 99% (#18220-25) homology with the original contig ORF sequence. Thus, in this study the RNA-seq approach proved to be an accurate and powerful approach to identify the presence and genetic variants of *PR10-like* sequences.

2.2 | Bioinformatics analysis of the putative PR10-like proteins of cashew

To further verify that the putative PR10 proteins identified in cashew are indeed related to pathogenesis-related proteins belonging to the PR10 family, a general NCBI-BLAST was performed using their deduced aa sequence as query (FASTA search). As shown in Table S2, the top 5 BLAST results corresponded to other PR10 proteins and all putative cashew PR10 proteins display a high identity to the PR10 proteins Pru av 1 and Pru ar 1 from cherry and apricot, respectively. Moreover, all identified clones contain the Prosite PS00451 "pathogenesis-related proteins Bet v I family signature" G-x(2)-[LIVMF]-x(4)-E-x(2,3)-[CSTAENV]-x(8,9)-[GNDS]-[GS](2)-[CS]-x(2)-[KT]-x(4)-[FY] (for cellular localization, membrane-protein and protein–protein interactions) as well as the PFAM Bet v 1 domain (PF00407).

Next, the putative cashew PR10 protein sequences and Pru du 1 were aligned to the PR10 reference protein Bet v 1 from birch pollen and their predicted co- and post-translational modification sites were analyzed (Figure 2 and Table S3). All identified sequences contain the Bet v 1 characteristic common feature of a glycine-rich P-loop motif (GxGGxGxxK),[28,29] although variants of clones #25514 and #18220 contain an additional arginine before the lysine in the P-loop region (GxGGxGxxxK). The structural P-loop element facilitates nucleotide-binding interactions in some proteins.[28] Clone #25355-15 shows a similar deduced aa-sequence length as Pru du 1 and Bet v 1, while the other cashew PR10-like proteins are five aa shorter at the C-terminal end.

All clones contain putative co-translational myristoylation sites, allowing for membrane targeting and protein–protein and protein–lipid interactions,[30] and post-

(a)

Similarity / Identity	Bet v 1.0101	#25355-15	#25514-14	#25514-15	#18220-11	#18220-12	#18220-25	Ara h 8.0101	Ara h 8.0201	Cas s 1.0101	Cor a 1.0401	Cor a 1.0402	Cor a 1.0403	Cor a 1.0404	Gly m 4.0101	Jug r 5.0101	Pru du 1.01	Pru du 1.02	Pru du 1.03	Pru du 1.04	Pru du 1.05	Pru du 1.06A	Pru du 1.06B
Bet v 1.0101	100	58	45	45	50	50	50	61	57	67	75	74	74	75	60	74	71	71	69	72	73	70	71
#25355-15	47	100	51	50	52	52	52	57	54	61	60	60	60	60	57	66	64	66	63	61	66	66	67
#25514-14	35	43	100	99	72	72	71	47	47	50	48	48	48	49	44	50	50	51	50	50	50	52	53
#25514-15	35	42	99	100	71	71	71	45	47	50	48	48	47	48	43	49	49	50	50	50	49	52	52
#18220-11	41	42	62	62	100	99	99	49	50	53	50	49	50	50	45	54	52	52	55	57	56	55	55
#18220-12	41	42	62	62	99	100	99	49	50	53	50	49	50	50	45	54	52	52	55	57	56	55	55
#18220-25	41	42	62	61	99	99	100	49	50	53	50	48	49	49	45	53	51	52	54	56	55	54	55
Ara h 8.0101	46	41	32	31	37	37	37	100	68	61	65	65	64	65	79	68	62	63	65	63	63	65	65
Ara h 8.0201	41	43	33	33	36	36	36	54	100	60	58	58	58	58	63	65	59	60	60	58	60	60	61
Cas s 1.0101	58	53	42	42	44	44	43	47	48	100	68	68	68	68	61	79	75	78	76	74	75	73	74
Cor a 1.0401	68	49	42	42	45	45	44	54	46	60	100	97	98	99	66	74	71	72	70	70	72	72	73
Cor a 1.0402	66	48	41	41	44	44	43	54	45	60	97	100	99	97	66	74	71	73	71	70	72	72	73
Cor a 1.0403	66	48	41	41	44	44	44	54	45	60	98	99	100	96	65	73	71	73	71	70	71	71	72
Cor a 1.0404	67	48	42	42	44	44	44	54	45	59	99	97	96	100	66	74	71	73	71	70	72	72	73
Gly m 4.0101	46	42	32	32	34	34	34	71	50	50	58	56	56	58	100	67	63	63	62	63	63	62	63
Jug r 5.0101	66	53	41	40	45	45	44	54	50	70	68	68	68	68	54	100	83	82	81	83	81	81	82
Pru du 1.01	58	50	40	40	45	45	44	50	48	64	64	64	64	63	53	74	100	87	86	84	83	81	82
Pru du 1.02	57	53	40	40	44	44	43	50	47	65	63	63	63	63	51	73	77	100	93	83	86	84	85
Pru du 1.03	57	50	39	39	45	45	44	54	44	63	62	63	63	62	51	74	78	86	100	83	85	84	85
Pru du 1.04	60	48	37	36	45	45	45	50	45	64	62	62	62	62	52	77	77	75	75	100	83	84	84
Pru du 1.05	61	53	41	41	49	49	49	52	47	63	63	62	62	62	53	73	76	75	78	75	100	90	89
Pru du 1.06A	56	50	39	38	46	46	45	50	44	61	61	60	60	60	51	71	74	73	76	76	84	100	99
Pru du 1.06B	57	50	39	39	46	46	45	52	44	62	61	61	61	61	53	73	74	75	78	76	83	97	100

(b)

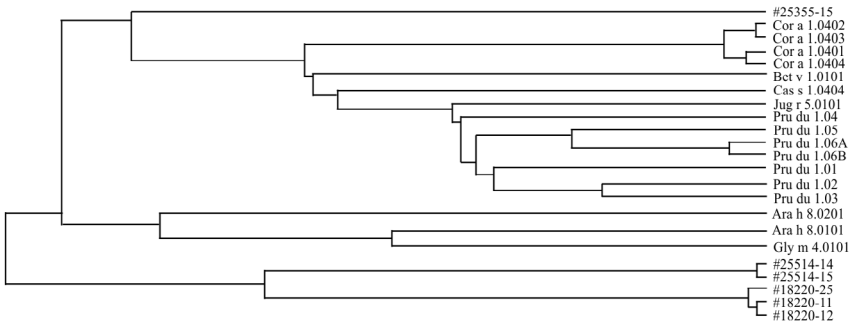


FIGURE 3 Similarity and identity analysis (a) and phylogenetic clustering (b) of cashew PR10 proteins, Bet v 1 from birch pollen (Bet v 1A; 4bkd-1bv1) and the well-studied PR10 allergens from almond, chestnut, hazelnut, peanut, soybean, and walnut. Pru du 1.01 (ACE80939.1), Pru du 1.02 (ACE80941.1), Pru du 1.03 (ACE80943.1), Pru du 1.04 (ACE80945.1), Pru du 1.05 (ACE80947.1), Pru.du.1.06A (ACE80951.1), and Pru du 1.06B (ACE80949.1) from almond; Ara h 8.0101 (AAQ91847.1), and Ara h 8.0201 (ABP97433.1) from peanut; Cas s 1.0101 (ACJ23861.1) from sweet chestnut; Cor a 1.0401 (AAD48405.1), Cor a 1.0402 (AAG40329.1), Cor a 1.0403 (AAG40330.1), and Cor a 1.0404 (AAG40331.1) from European hazelnut; Gly m 4.0101 (CAA42646.1) from soybean; Jug r 5.0101 (APD76154.1) from English walnut; Bet v 1 (Bet v 1A; 4bkd-1bv1) from birch pollen

translational phosphorylation sites which may greatly define the structural conformation of a protein, its signalling pathways and metabolism.[31,32] Compared to a single predicted N-glycosylation site in Bet v 1 and Pru du 1, two N-glycosylation sites were predicted for clones #18220 and #25355, while these sites are lacking in clones #25514-14 and -15.

A similarity and identity analysis of the deduced aa between the PR10-like proteins from cashew and various tree nuts and legumes is shown in Figure 3a. The cashew PR10-like proteins show the highest sequence identity with PR10 allergens from almond, chestnut, and hazelnut (36–53%) as compared to leguminous PR10 allergens Ara h 8 and Gly m 4 (31–43%). Cluster analysis visualized a similar trend in phylogenetic relationships as the similarity and identity analysis (Figure 3b). The sequence identities to Bet v 1 are in the expected range of 35–47%[27] where a low aa-identity does not exclude the ability to cross-react with Bet v 1-specific IgE antibodies, as in vitro demonstrated for Dau c 1 (PR10 from carrot) which displays only 38% sequence identity with Bet v 1.[33]

Based on the deduced protein sequence of the identified *PR10-like* clones, a prediction was made of the structural features of the cashew PR10-like proteins. Since the protein crystal structure for Pru du 1 is lacking, we used the NMR structure of the major cherry allergen from *Prunus avium*, Pru av 1 (PruAV1; PDB code 1E09), as template as all cashew PR10 clones displayed a high sequence identity to Pru av 1 (42–52%; see Table S2). Structural modelling (Figure 4) shows that the predicted cashew PR10-like protein structures are highly similar to the Bet v 1A[29] and Pru av 1[34] crystal structures. All

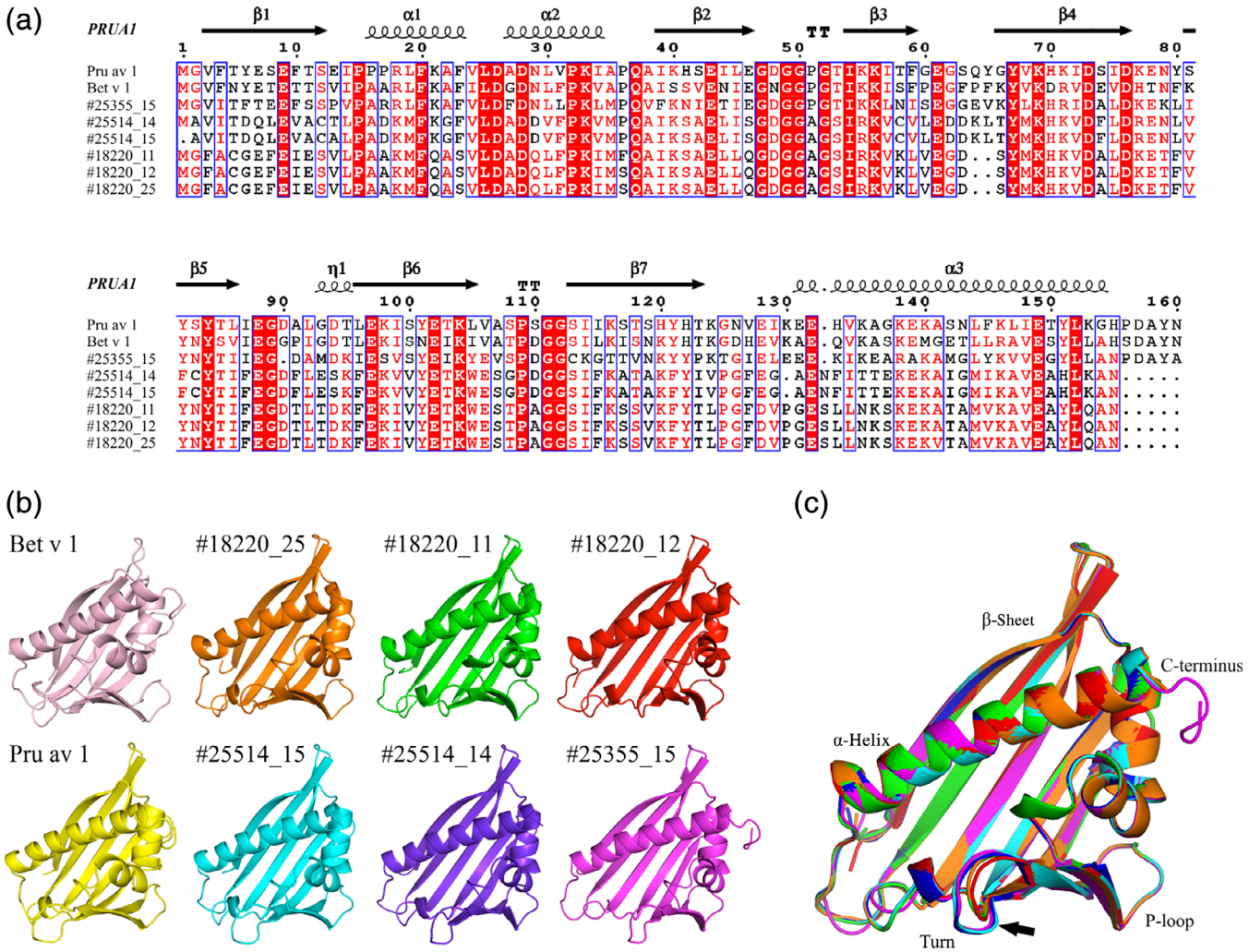


FIGURE 4 Structural modelling of the putative cashew PR10-like proteins using the PRUA1 NMR structure as template. (a) ClustalW alignment of the cashew PR10-like proteins and PR10 allergens from Bet v 1 and Pru av 1using the software Esprit. The α-helices, β-sheets, and turns (TT) of Pru av 1 (PRUA1) are indicated above the alignment. (b) Structural modelling of tertiary structure using the program Modeller and Pymol. (c) Superimposed view of models generated for #25355-15, #25514-14, #25514-15, #18220-11, #18220-12, and #18220-25. The arrow indicates a difference in the predicted turn area

displayed the characteristic basket-like hydrophobic cavity formed by two V-shaped short α-helices wrapped around a long C-terminal α-helix and a folded seven-stranded antiparallel β-sheet.[33] Some small differences in α-helix bending could be observed as well as the length of the turnaround residue 65, which is shorter in the structures of the #18220 proteins (indicated by an arrow).

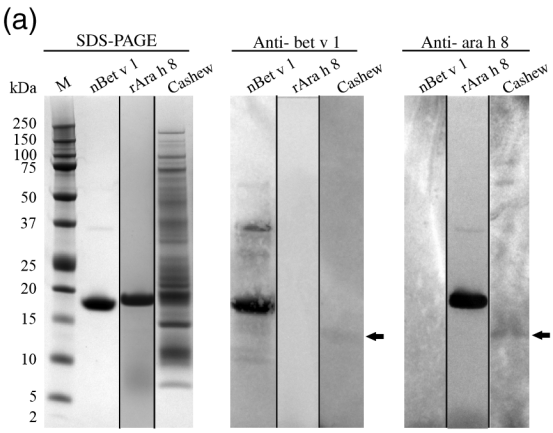
The NCBI BLAST results as well as the other bioinformatics analyses, including the high similarity between the predicted cashew PR10-like protein conformational structures and the crystal structure of Bet v 1, strongly suggest that the identified *PR10* genes in cashew nut indeed belong to the family of *PR10* genes.

2.3 | Presence of PR10 proteins in cashew nut extract

The presence of *PR10* RNA in cashew nuts does not mean that the corresponding proteins are also present. Two approaches have been applied to demonstrate the presence of PR10 proteins in cashew nut: immunoblotting using commercial IgG antibodies against Bet v 1 and Ara h 8 (PR10 protein from peanut[35]), and LC–MS/MS peptide identification using the identified cashew *PR10* RNA-seq contig sequences as well as the cloned *PR10* gene variances as database-query (Figure 5). Both anti-Bet v 1 and anti-Ara h 8 antibodies showed some binding affinity to a cashew nut protein, resulting in a very faint band of around 13–14 kDa in size (Figure 5a). The polyclonal antibodies used seem to be highly selective based on the positive control results, which could explain their weak binding to cashew nut protein. Based on the deduced aa-sequence, the expected size of cashew PR10 proteins would lay between 16.9 and 17.8 kDa, as also visible for native Bet v 1. Detection of a slightly smaller protein in the cashew nut protein extract could indicate potential proteolytic hydrolysis during the extraction procedure. The fact that PR10-like protein peptides, corresponding to RNA-seq contigs #4938, #25355, and #25514, were identified in the cashew nut protein extract by LC–MS/MS, confirms that *PR10* genes are indeed expressed in cashew nut although likely much less than Ana o 3 (Figure 5b, Tables S4a and S4b).

2.4 | In silico analysis of potential allergenicity

As PR10 proteins from fruits, vegetables and nuts are commonly associated with a birch pollen–related allergy,[18] we performed several in silico prediction analyses using online available software tools to examine the potential allergenicity of identified cashew PR10 proteins (see Tables S5–S7), for which the results are summarized in Table 3. First, the Food and Agriculture Organization/World Health



(b)

Pr10 contig 4938
MFR|NDQIMSK|INPEMLAHAEYIQGDGSPGSLR|LFK|LGPAVQNYVK|ESTQK|IEK|VEIGR|SVTYR|VVEGE

PR10 contig 25355
MGVITFTEEFSSPVPAR|R|LFK|AFVLDFDNLLPK|LMPQVFK|NIETIEGDGGPGTIK|K|LNISEGGEVK|YLK|HR|IDALDK|EK|LIYNYTIIEGDAMDK|IESVSYEIK|YEVSPDGGCK|GTTVNK|YYPK|TGIELEEEK|IK|EARAK|AMGLYK|VVEGYLLANPDAYA

PR10 contig 25514
MAVITDQLEVACTLPADK|MFK|GFVLDADDVFPK|VMPQAIK|SAELISGDGGAGSIR|K|VCVLEDDK|LTYMK|HKVDFLDR|ENLVFCYTIFEGDFLESK|FEK|VVYETK|WESGPDGGSIFK|ATAK|FYIVPGFEGAENFITTEK|EKAIGMIK|AVEAHLK|AN

FIGURE 5 Identification of PR10 proteins in cashew nut total protein extract. (a) SDS PAGE gel electrophoresis and western blot of the positive controls nBet v 1 and rAra h 8 and raw cashew nut extract using anti-bet v 1– and anti-ara h 8–specific antibodies. The arrow points towards a positive band in cashew nut extract; (b) LC–MS/MS peptide identification in raw cashew nut extract after trypsin digestion. Identified peptides in contigs 4,938, 25,355, and 25,514 are underlined. Trypsin cleavage sites are indicated by the symbol |. Sequence coverage for contig 4,938 was 47%, 12% for contig 25,355 while for contig 25,514, sequence coverage was 34%

Organization (FAO/WHO) CODEX Alimentarius guidelines (2001) were assessed. These state that a sequence is potentially allergenic if it either has an identity of at least six contiguous aa OR ≥ 35% sequence identity over an alignment length window of ≥80 aa when compared to known allergens.[36] The allergenicity prediction criteria were assessed using the software tools AllergenOnline and SDAP, as listed in Tables S5a and S5b, respectively. In particular, clone #25355 was predicted to contain multiple 6-mers and even 8-mers peptide sequences identical to peptides in existing allergens. In addition, each of the cashew PR10 proteins showed 179 hits in the 80-mers sliding window alignment analyses. According to the FOA/WHO guidelines, all identified cashew PR10-like proteins would be labelled as potential allergens (Table 3).

Furthermore, we used the web-based computational system AllergenFP and AllerTOPv.2. The AllerTOPv.2 program predicted that all cashew PR10 proteins are possible allergens and to be cross-reactive with IgE antibodies recognizing homologous allergens (Table S6). The AllergenFP prediction indicted that four out of the six PR10 proteins of cashew nut are potentially allergenic. In this case PR10 #25514 clones 14 and 15 were not ranked as potential allergens and these small differences are likely due to the use of different computational methods.

When a protein is predicted to be allergenic or to be cross-reactive, it should contain antigenic epitope regions that allow for binding to secreted antibodies or antigen-specific cell membrane receptors.[37] Antigenic B-cell epitopes, the aa-region that is recognized by an IgE-antibody, can be linear (continuous, ~10%) or conformational (partial continuous or discontinuous, ~90%). T-cell epitopes on the other hand (the aa-region presented on antigen-presenting cells [APC] by the major histocompatibility complex [MHC] molecules) are commonly continuous. Using epitope prediction software tools, several

TABLE 3 Summary of performed in silico allergenicity prediction analyses using several online prediction servers

Software	Link	Prediction
SDAP	http://fermi.utmb.edu/	For each cashew PR10-like protein, multiple 6-mers and 80-mers sliding windows have been identified suggesting cross-reacting characteristics.
AllergenOnline	http://www.allergenonline.org/	Multiple 8-mer hits for #1-15 and one to two hits for #2-14/15 and #3-11/12/25. All showed 179 hits of 80-mers sliding windows suggesting cross-reacting characteristics.
AllerTOPv.2	http://www.ddg-pharmfac.net/AllerTOP/	All cashew PR10-like proteins, except clones #25514-14 and -15, are predicted to be probably allergenic with nearest allergen matches being bet v 1-like allergens.
AllergenFPv.1.0	http://www.ddg-pharmfac.net/AllergenFP/	All cashew PR10-like proteins are predicted to be probably allergenic with nearest allergen matches being Bet v 1-like allergens.
BepiPred 1.0	http://www.cbs.dtu.dk/services/BepiPred-1.0/	Each cashew PR10-like protein contains several predicted linear B-cell epitopes
BPAP	http://imed.med.ucm.es/Tools/antigenic.pl	Each cashew PR10-like protein contains several predicted linear B-cell epitopes
ElliPro	http://tools.iedb.org/ellipro/	Multiple continuous as well as discontinues B-cell epitopes have been predicted for each cashew PR10-like protein
NetCTL-1.2	http://www.cbs.dtu.dk/services/NetCTL/	Three to six MHC-class ligands and 146–151 T-cell epitope peptides have been predicted using the cashew PR10-like proteins as query.

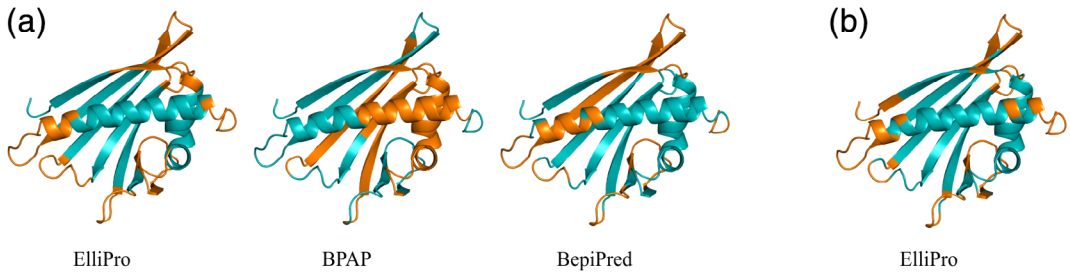


FIGURE 6 Predicted epitopes for #25355-15 as indicated on the modelled tertiary structure. (a) Continuous epitopes predicted by the software tools ElliPro, BPAP and BepiPred 1.0; (b) Discontinuous epitopes predicted by ElliPro 1.0

continuous and discontinuous B-cell epitopes were predicted for each of the cashew PR10-like protein clones identified (Table S7). In addition, MHC-class peptides and T-cell epitopes have been predicted.

Predicted B-cell epitopes where annotated on the structural model of PR10 #25355-15 to evaluate the prediction value of the three software tools used (Figure 6). ElliPro 1.0 predicts almost all epitopes in the flexible regions (i.e., links between the structural elements) which are generally the most antigenic.[38]

The epitope region ENIEGNGGPG recognized by Bet v 1–specific IgE antibodies within the p-loop region (E43-G52) is predicted in each cashew *PR10-like* clone (underlined in Table S7) with 80, 60, and 50% identical aa in #25355, #25514, and #18220, respectively. Whether two or more amino substitutions in this epitope region might affect the level of Bet v 1–specific IgE cross-reactivity will have to be determined. Also, aa S112 shown to be crucial for IgE binding of Mal d 1 and Pru av 1 and cross-reactivity with Bet v 1[39,40] is present in the sequence of both #25514 and #18220 (Figure 2).

Thus, we employed a range of analyses (AllergenOnline, SDAP, NetCTL-1.2, BPAP, BepiPred, AllergenFP, and AllerTOPv.2) and the results combined show that the identified PR10 proteins from cashew nut are possibly allergenic and may indeed cross-react with Bet v 1–specific IgE antibodies.

3 | DISCUSSION

Cashew nut is solely consumed after proper shelling and roasting, which significantly improves the sensory characteristics (smell, flavour, texture, and taste) and eliminates the risks associated with traces of irritating substances derived from the shell (anacardic acid, cardanol, and cardol).[1,41] In general, PR10 family proteins are considered heat-labile and their allergenicity is destroyed or strongly reduced upon heating, at least in fruits and vegetables (reviewed by Fernandes et al.[42]). However, Ara h 8 and Gly m 4, the Bet v 1-allergenic homologs from peanut and soy respectively, have shown to be thermally resistant to some extent and able to provoke clinical responses even after heat treatment.[43,44] Similarly, roasted hazelnuts can still provoke allergic reactions in Cor a 1-monosensitized individuals.[45] Thus, since medically relevant OAS complaints, consistent with a PR10 sensitization, are often reported in a patient's anamnesis after consumption of cashew nut, although consumed in processed form, suggests that clinically reactive PR10 proteins may still be present in the kernel. This was the underlying reason for demonstrating the presence of PR10 proteins in cashew nut in this study.

Using RNA-seq transcriptome profiling and sequence-specific cloning, we were able to identify three different isotypes of PR10 proteins in cashew nut with several allelic variances. Sequence identity analyses and structural modelling confirmed their identity as Bet v 1 homologous proteins belonging to the PR10 protein family. Six partial ORFs identified in the RNA-seq contig BLAST point out the presence of various other isotypes or isoforms of *PR10-like* sequences in cashew nut, which might be elongated and extracted using Rapid amplification of cDNA ends (RACE) techniques in the future. In addition to the presence of PR10 mRNA, two independent LC–MS/MS analysis experiments and immunoblotting assays indicated the presence of PR10 protein in cashew nut as well. Using LC–MS/MS, we were able to detect three PR10-coding contigs out of nine contigs identified. Possibly, trypsin inhibitors limiting the efficiency of the LC–MS/MS sample preparations might have been present in our protein extract,[46] which could be one of the reasons why peptides of only three contigs were traced back. Another reason might be a possible low concentration of some of the PR10 contigs in our extract. When comparing the protein iBAQ scores of the detected PR10 contigs with the score for Ana o 3.0101, which has more or less the same protein mass, the PR10 proteins are presumably at 99 times (for #25355) to 2,970 times (for #25514) a lower concentration (Table S4b). However, proper protein quantification using spiked standards in multiple biological replicates should confirm this.

The existence of multigene *PR10* copies in cashew nut is in line with findings for the *PR10* gene Gly m 4 for which multiple copies exist in the soybean genome.[47] Chromosome studies in cashew nut populations[48,49] suggest an overall diploidic genotype but does not rule out the existence of polyploid species. However, it is also likely that seeds pooled for the RNA extraction procedure originated from different trees and thus represent different genotypes.

To assess the possible allergenicity of the cashew PR10 proteins, a preliminary in silico-prediction analysis was performed. The presence of multiple 6-mers, 8-mers, and 80-mers sliding window peptides with cross-reacting characteristics, the potential allergenicity predictions by the online software tools AllerTOPv.2 and Allergenv1.0 as well as the presence of various predicted B-cell epitopes has led us to conclude that the identified cashew PR10 proteins should be considered as potential allergens that are predicted to exhibit IgE cross-reactivity with Bet v 1. Thus, cashew PR10 proteins might have been the causative agents for observed OAS symptoms in cashew allergic patients in earlier studies[11–14] or even be responsible for more severe symptoms. Severe cases of OAS aggravating to systemic reactions, have been observed in allergic reactions to peanut and pistachio[17,44,50] estimated that around 5% of OAS patients have symptoms progressing to systemic responses including nausea, vomiting, abdominal pain, upper respiratory obstruction, or anaphylaxis.

Most importantly, clinical relevance of identified PR10 proteins in processed cashew nuts still needs to be demonstrated through IgE-immunoassays [e.g., basophil activation test (BAT), skin prick test (SPT) and/or ELISAs] to actually identify these proteins as real allergens. It might be however, that not all of the *PR10-like* genes present in cashew nut are clinically relevant and thus their individual and possibly their combined allergenicity should be quantified. Expression levels of the different PR10 isoforms and isoallergens might even fluctuate per genus, origin or per season, depending on climate and environmental or geographical factors/influences.[1] Thus, influence of variation in exposure levels should be taken into account in future risk assessments as well as tolerance thresholds per isoallergen.

However, cashew nut-provoked OAS symptoms should be carefully interpreted especially when symptoms emerge at low doses of cashew nut exposure. Oral allergy symptoms are frequently reported by peanut allergic individuals, especially when exposed to very low doses between 100 μg and 5 mg of peanut protein.[51] This implies that seed storage proteins, which are commonly seen as major allergens causing severe allergic reactions, can also provoke subjective reactions (oral itching) and mild objective reactions (lip swelling) that correspond to OAS symptoms associated with a PR10 sensitization. Besides, OAS symptoms might also be caused by other PR-family members, such as nonspecific lipid transfer proteins (nsLTPs; PR-14) or thaumatin-like proteins (TLPs; PR-5), or by proteins belonging to the profilin family.[18] Current investigations are ongoing to investigate whether such allergen family members are also expressed in cashew nut.

Lastly, the mechanism behind how some seed/nut PR10 proteins retain their allergenicity after heating is still an intriguing question. Seeds are plant organs that usually have a low water content and that have several protective adaptations to cope with dehydration which protects cellular integrity and stabilizes proteins, RNA and DNA. Further, seeds contain high levels of storage compounds, like sugar, fat and proteins. In this sense, seeds are different from fruit and vegetable tissues and the seed matrix can play a role in the protection of PR10 allergenic proteins from thermal destruction. Interestingly, this protection from thermal destruction has been observed in fat/oil-rich leguminous seeds (peanut and soy) and nuts (hazelnut).[35,43,45] The total fat content in cashew nut is high as well and accounts for 48.3% of the total weight,[52] which is comparable to the lipid content reported for peanut (40–50%).[53] In addition, PR10 stability has also been linked to binding to their ligands. The characteristic structure of Bet v 1 and its homolog, comprising of seven-stranded β-sheets flanked by three α-helices forming a central basket-like hydrophobic cavity,[34] allows binding of a variety of lipophilic ligands.[54] Like Bet v 1,[55] Ara h 8 is hypothesized to bind flavonoids (quercitin, apigenin, and daidzein), and lipid sterols.[24,43,53] This ligand binding provided increased thermal proteolytic stability to the Bet v 1[56] and Ara h 8[43] structure. Thus, it seems possible that cashew nut PR10-like proteins may function as flavonoid or sterol carriers. Whether thermal degradation of cashew PR10 proteins is influenced by the seed matrix and its ligands, and thereby their allergenic cross-reactivity, remains an important issue to be investigated.

4 | MATERIALS AND METHODS

4.1 | Sample preparation and RNA isolation

Technical details about sample preparation before RNA isolation, the RNA-seq transcriptome profiling and the RNA-seq data analysis and BLAST analyses specifications can be found in Data S1.

4.2 | Cloning of PR10-like sequences

PR10-like sequences were amplified from cashew nut RNA using contig-specific primers (Table S1). First, extracted RNA

was converted by Oligo(dT)20 primers included in the iScript Select cDNA Synthesis Kit after which *PR10-like* sequences were amplified by contig-specific primers (see Table S1) using the MT platinum SuperFi DNA proofreading polymerase kit according to manufacturer's instructions. Amplified PCR products were A-tailed and sub-cloned into the plasmid pGEM-T easy for sequencing (BaseClear B.V.; Leiden, The Netherlands). A minimum of four clones per construct were subjected to sequence verification. Cloned *PR10-like* sequences have been deposited into the NCBI GenBank database with the following accession numbers: MN258363 (#25355-15), MN258364 (#25514-14), MN258365 (#25514-15), MN258366 (#18220-11), MN258367 (#18220-12), and MN258368 (#18220-25).

4.3 | Property analysis

4.3.1 | Sequence alignments

A phylogenetic tree based on the deduced protein sequences of the cashew nut *PR10-like* genes and PR10 allergens from nuts and legumes was created in the Clustal Omega program of UniProt (https://www.uniprot.org/align/). Protein sequence alignments were conducted in ClustalW 1.7 (http://www.ch.embnet.org/software/ClustalW.html). Pairwise sequences identity and similarity were calculated via SIAS (http://imed.med.ucm.es/Tools/sias.html).

4.3.2 | Co- and post-transcriptional modifications

The intra-domain feature scan in PROSITE database (https://prosite.expasy.org/) was used to predict putative phosphorylation sites, N-myristoylation sites and N-glycosylation sites in the deduced protein sequences of PR10-like cashew proteins. The Simple Modular Architecture ResearchTool (SMART, http://smart.embl-heidelberg.de/) was used for the PFAM domain search.[59]

4.3.3 | Structural modelling

For structure predictions, alignments of the deduced protein sequences of each of the cloned cashew PR10 proteins, the major birch pollen allergen Bet v 1.0101 (PDB-id: 4bkd and 1bv1) and the major cherry allergen Pru av 1.0101 (PruAV1; PDB-id:1E09) were created. The structure 1E09 was used as modelling template. For prediction of tertiary structure, structural modelling was performed using the Modeller program (version 9.16).[60] Two-hundred comparative models were generated for each sequence, after which the models with lowest corresponding DOPE scores were selected for image generation using Pymol (version 1.4). Secondary structure prediction was performed as described by Offermann et al.[61] using ClustalW and ESPrit3.0 (http://espript.ibcp.fr/ESPript/ESPript/) to extract and visualize sequence alignments.

4.4 | Detection of PR10 protein in cashew nut by Western blot

Protein extract was prepared from fresh milled raw cashew nuts as described by Wangorsch et al.[25] and its concentration was determined by Bradford according to manufacturer's instructions. SDS-PAGE protein separation was carried out on NuPAGE 1 mm 10% Bis-Tris gels (Novex by Life Technologies) under non-reducing conditions by loading 10–100 μg of denatured cashew protein in NuPAGE LDS sample buffer alongside a Precision Plus Protein Dual Xtra molecular weight marker (Bio-Rad Laboratories Inc., CA). Gels were either stained with Bio-Safe™ Coomassie Stain (Bio-Rad Laboratories Inc.) or subjected to western blotting as previously described.[62] Blotting was carried out using specific Bet v 1 (BETVIA, rabbit polyclonal antibody, orb51330; dilution 1:1,000; Biorbyt, Cambridge, United Kingdom) and Ara h 8 (rabbit polyclonal antibody, PA-AH8, dilution 1:1,000; Indoor Biotechnologies, Cardiff, United Kingdom) antibodies alongside 10 μg of a native Bet v 1 and recombinant Ara h 8 positive control (NA-BV1-1 and RP-AH8, respectively; Indoor Biotechnologies). Imaging and analysis were performed using a Universal Hood III and Image Lab 4.1. software (Bio-Rad Laboratories Inc.).

4.5 | LC–MS/MS protein identification

4.5.1 | Sample preparation

Of each protein sample, 100 μg was suspended in 100 μL 2% (wt/vol) SDS in 20 mM dithiothreitol. Suspensions were sonicated for 10 min followed by incubation at 60°C for 30 min. After cooling to room temperature Iodoacetamide was added from a 0.5 M stock to a final concentration of 50 mM, and suspensions were incubated in the dark for 30 min. From each suspension 50 μg of protein, according to the Bradford analysis carried out on the original protein extract, was used for trypsin (1:10) digestion according to the S-Trap™ Micro Spin Colum Digestion Protocol from ProtiFi (Huntington, NY). After digestion, peptides were eluted with 50% acetonitrile in 0.1% formic acid. Eluates were dried by Speedvac and subsequently dissolved in 40 μL 2% acetonitrile in 0.1% formic acid.

Two different processing methods were carried out in a repeat experiment. One aliquot was incubated with addition of 1% RapiGest (Waters Corporation, Milford, MA) in Tris/HCl pH 7.4 and 1 μg of Trypsin (1:50; Promega Gold Sequencing grade). After overnight digestion at 37°C, peptides were acidified with 1% TFA (trifluoric acid) and the digest was centrifuged at 16,000 rpm. The supernatant was loaded onto an OASIS HLB SPE microcolumn (Waters Corporation), washed twice with 100 μL 2% acetonitrile in 0.1% formic acid and eluted with 50 μL 50% acetonitrile in 0.1% formic acid. Another 50 μg aliquot was again processed according to the S-Trap™ Micro Spin Colum Digestion Protocol from ProtiFi. Eluates were dried and dissolved as described above.

4.5.2 | LC–MS/MS

The first set of peptide eluates were injected onto a nanoAcquity UPLC (Waters Corporation), trapped onto a Symmetry C18 2 cm × 180 μm trap column. Using a 60-min gradient from 4 to 16 to 30% and final to 85% acetonitrile in 0.1% formic acid, peptides were separated on an analytical charged surface hybrid CSH column, 15 cm × 75 μm, 1.8 μm particle size at 50°C at a flow rate of 400 nL/min. Column effluent was on-line connected to a QexactivePlus using a nanoFlex electrospray.

For the independent replicate experiment (RapiGest and S-trap digests) peptide eluates were loaded onto an Easy-nLCII (ThermoFisher Scientific, Waltham, MA) equipped with a PepSep trap column 2 cm × 100 μm and separation column 8 cm × 75 μm, 3 μm particle size at 24°C at a flow rate of 200 nL/min. Elution was a 24-min gradient from 10 to 30 to 45% and final to 85% acetonitrile in 0.1% formic acid. Column effluent was on-line connected to a QexactivePlus using a nanoFlex electrospray (ThermoFisher Scientific).

In both experiments, MS acquisition was performed using a DDA method with alternating MS1 scan at resolution 70,000 profile mode, AGC target 3e6, maxIT 50 ms, scan range 500–1,400 m/z, and subsequently 10 MS2 scans centroid mode, resolution 17.500 AGC target 5e4, maxIT100 ms, with isolation window 1.6 m/z at NCE = 28 on with preferred peptide match ions of charges 2, 3 or 4 and a dynamic exclusion window of 30 s.

4.5.3 | Data processing

LC–MS/MS spectra were processed using MetaMorpheus version 0.0.295[63] for the first sample set. Peptide identification was performed using a protein sequence database composed of all PR10 RNA-seq contig sequences including additional identified allelic variants, plus 111 proteins from Anacardium taxon A171928 as present in UniProt database (on December 2017), plus a set of frequent contaminant proteins (e.g., trypsin, keratins, BSA, etc.). The combined search database contained 12 non-decoy protein entries including 490 contaminant sequences. The following search settings were used: protease = trypsin; maximum missed cleavages = 2; minimum peptide length = 4; maximum peptide length = unspecified; initiator methionine behavior = variable; fixed modifications = carbamidomethyl on C, carbamidomethyl on U; variable modifications = oxidation on M; max mods per peptide = 2; max modification isoforms = 24; precursor mass tolerance = ±5 PPM; product mass tolerance = ±20 PPM; report the total number of identified peptides to spectrum matches (PSM) ambiguity = True. A minimum of two peptides were required for protein identification.

The two samples belonging to the replicate experiment were processed using MaxQuant (version 1.6.5.)[64] using the same protein sequence database and a set of contaminant proteins as default in MaxQuant. Search parameters included a minimum peptide length of 6, fixed modifications = carbamidomethyl on C, variable modifications = oxidation on M. A minimum of one peptide per protein was accepted at PSM FDR 1% and protein FDR 1%. For visualization and evaluation purposes an example msms.txt result file from MaxQuant for each of the detected cashew nut PR10 contigs was loaded into the software Skyline,[65] together with the .raw files. Identified peptides peaks were integrated in MS profiles, and the peptide spectra matches were exported as presented in Figure S1.

Ion intensity and PEP scores for peptides identified in each of the two LC–MS/MS experiments are visualized in Table S4a. iBAQ scores for Ana o 3.0101 and each of the PR10 contigs in cashew nut as detected by MaxQuant protein identification analysis are listed in Table S4b for semi label-free quantification. Ana o 3.0101 was chosen for this comparison as the protein mass of this 2S albumin is close to the protein mass of the PR10 proteins.

4.6 | Assessment for potential allergenicity

4.6.1 | 80-aa sliding window and 6-mer and 8-mer component analysis

The 6-mer and 8-mer component analysis was performed by assessing the deduced aa sequence of cashew PR10-like proteins using the online available software tools SDAP and AllergenOnline v12, respectively.[66,67] Both software tools also assessed the 80-aa sliding window alignment.

4.6.2 | Analysis of allergenicity

The computational predictive tools AllerTOPv.2 and AllergenFPv.1.0 were applied to predict protein allergenicity and cross-reactivity. The AllerTOPv.2 and AllergenFP are alignment-free allergen prediction models based on various aa descriptors, taking into account residue hydrophobicity, size, abundance, and α-helix and β-strand forming propensities.[68,69]

4.6.3 | Prediction of B- and T-cell epitopes

MHC subtype A1 T-cell epitopes were predicted using the NetCTL-1.2 online prediction tool (http://www.cbs.dtu.dk/services/NetCTL/) applying a threshold of 0.75.[70] The structure based tools Ellipro (http://tools.iedb.org/ellipro/),[71] BPAP (http://imed.med.ucm.es/Tools/antigenic.pl) and BepiPred 1.0 with threshold 0.35 (http://www.cbs.dtu.dk/services/BepiPred-1.0/)[72] were used for the prediction of B-cell epitopes.

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CONFLICT OF INTEREST

The authors declare no conflicts of interest.

AUTHORS CONTRIBUTIONS

Shanna Bastiaan-Net designed and conducted most of the experiments and took the lead in acquiring funding and writing of the manuscript. Maria C. Pina-Pérez acquired the cashew total protein isolates and performed the immunoblotting experiments. Bas J. W. Dekkers assisted with the RNA isolation procedures and Renata M. C. Ariëns with the RNA-seq data analysis. Structural modelling was performed by Adrie H Westphal while the LC–MS/MS analyses were conducted by Antoine H. P. America. Nicolette W. de Jong, Harry J. Wichers, and Jurriaan J. Mes critically revised the manuscript.

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REFERENCES

1. Dendena B, Corsi F. Cashew, from seed to market: A review. Agron Sustain Dev. 2014;34:753–772.
2. Aremu MO, Olonisakin A, Bako DA, Madu PC. Compositional studies and physicochemical characteristics of cashew nut (*Anarcadium occidentale*) flour. Pak J Nutr. 2006;5:328–333.
3. Aremu MO, Ogunlade I, Olonisakin A. Fatty acid and amino acid composition of protein concentrate from cashew nut (*Anarcadium occidentale*) grown in Nasarawa State, Nigeria. Pak J Nutr. 2007;6:419–423.
4. Ryan E, Galvin K, O'Connor TP, Maguire AR, O'Brien NM. Fatty acid profile, tocopherol, squalene and phytosterol content of brazil, pecan, pine, pistachio and cashew nuts. Int J Food Sci Nutr. 2006;57:219–228.
5. Hu FB, Manson JE, Willett WC. Types of dietary fat and risk of coronary heart disease: A critical review. J Am Coll Nutr. 2001;20:5–19.
6. Mah E, Schulz JA, Kaden VN, et al. Cashew consumption reduces total and LDL cholesterol: A randomized, crossover, controlled-feeding trial. Am J Clin Nutr. 2017;105:1070–1078.
7. Weinberger T, Sicherer S. Current perspectives on tree nut allergy: A review. J Asthma Allergy. 2018;11:41–51.
8. Davoren M, Peake J. Cashew nut allergy is associated with a high risk of anaphylaxis. Arch Dis Child. 2005;90:1084–1085.
9. Mendes C, Costa J, Vicente AA, Oliveira MB, Mafra I. Cashew nut allergy: Clinical relevance and allergen characterisation. Clin Rev Allergy Immunol. 2019;57:1–22.
10. van der Valk JP, Gerth van Wijk R, Vergouwe Y, et al. sIgE Ana o 1, 2 and 3 accurately distinguish tolerant from allergic children sensitized to cashew nuts. Clin Exp Allergy. 2017;47:113–120.
11. Li H, Zhang H. Hypersensitivity of cashew nut. Chin Med Sci J. 1997;12:189–192.
12. Rancé F, Bidat E, Bourrier T, Sabouraud D. Cashew allergy: Observations of 42 children without associated peanut allergy. Allergy. 2003;58:1311–1314.
13. Hasegawa M, Inomata N, Yamazaki H, Morita A, Kirino M, Ikezawa Z. Clinical features of four cases with cashew nut allergy and cross-reactivity between cashew nut and pistachio. Allergol Int. 2009;58:209–215.
14. van der Valk JP, Gerth van Wijk R, Dubois AE, et al. Multicentre double-blind placebo-controlled food challenge study in children sensitised to cashew nut. PLoS One. 2016;11:e0151055.
15. Noorbakhsh R, Mortazavi SA, Sankian M, et al. Pistachio allergy-prevalence and in vitro cross-reactivity with other nuts. Allergol Int. 2011;60:425–432.
16. Valenta R, Kraft D. Type 1 allergic reactions to plant-derived food: A consequence of primary sensitization to pollen allergens. J Allergy Clin Immunol. 1996;97:893–895.
17. Ma S, Sicherer SH, Nowak-Wegrzyn A. A survey on the management of pollen-food allergy syndrome in allergy practices. J Allergy Clin Immunol. 2003;112:784–788.
18. Price A, Ramachandran S, Smith GP, Stevenson ML, Pomeranz MK, Cohen DE. Oral allergy syndrome (pollen-food allergy syndrome). Dermatitis. 2015;26:78–88.
19. Breiteneder H, Radauer C. A classification of plant food allergens. J Allergy Clin Immunol. 2004;113:821–830.
20. van Odijk J, Sjölander S, Brostedt P, Borres MP, Englund H. High frequency of IgE sensitization towards kiwi seed storage proteins among peanut allergic individuals also reporting allergy to kiwi. Clin Mol Allergy. 2017;15:18.
21. Ferreira FD, Hoffmann-Sommergruber K, Breiteneder H, et al. Purification and characterization of recombinant bet v I, the major birch pollen allergen. Immunological equivalence to natural Bet v I. J Biol Chem. 1993;268:19574–19580.

22. Radauer C, Bublin M, Wagner S, Mari A, Breiteneder H. Allergens are distributed into few protein families and possess a restricted number of biochemical functions. J Allergy Clin Immunol. 2008;121:847–852.
23. Vieths S, Scheurer S, Ballmer-Weber B. Current understanding of cross-reactivity of food allergens and pollen. Ann N Y Acad Sci. 2002;964:47–68.
24. Hurlburt BK, Offermann LR, McBride JK, Majorek KA, Maleki SJ, Chruszcz M. Structure and function of the peanut panallergen Ara h 8. J Biol Chem. 2013;288:36890–36901.
25. Wangorsch A, Jamin A, Lidholm J, et al. Identification and implication of an allergenic PR-10 protein from walnut in birch pollen associated walnut allergy. Mol Nutr Food Res. 2017; 61:1–9.
26. Bastiaan-Net S, Reitsma M, Cordewener JHG, et al. IgE cross-reactivity of cashew nut allergens. Int Arch Allergy Immunol. 2019;178:19–32.
27. Midoro-Horiuti T, Brooks EG, Goldblum RM. Pathogenesis-related proteins of plants as allergens. Ann Allergy Asthma Immunol. 2001;87:261–271.
28. Saraste M, Sibbald PR, Wittinghofer A. The P-loop – A common motif in ATP- and GTP-binding proteins. Trends Biochem Sci. 1990;15:430–434.
29. Gajhede M, Osmark P, Poulsen FM, et al. X-ray and NMR structure of Bet v 1, the origin of birch pollen allergy. Nat Struct Biol. 1996;3:1040–1045.
30. Farazi TA. The biology and enzymology of protein N-myristoylation. J Biol Chem. 2001;276:39501–39504.
31. Johnson LN, Barford D. The effects of phosphorylation on the structure and function of proteins. Annu Rev Biophys Biomol Struct. 1993;22:199–232.
32. Cieśla J, Frączyk T, Rode W. Phosphorylation of basic amino acid residues in proteins: Important but easily missed. Acta Biochim Pol. 2011;58:137–147.
33. Hoffmann-Sommergruber K, O'Riordain G, Ahorn H, et al. Molecular characterization of Dau c 1, the Bet v 1 homologous protein from carrot and its cross-reactivity with Bet v 1 and Api g 1. Clin Exp Allergy. 1999;29:840–847.
34. Neudecker P, Schweimer K, Nerkamp J, et al. Allergic cross-reactivity made visible: Solution structure of the major cherry allergen Pru av 1. J Biol Chem. 2001;276: 22756–22763.
35. Mittag D, Akkerdaas J, Ballmer-Weber BK, et al. Ara h 8, a Bet v 1-homologous allergen from peanut, is a major allergen in patients with combined birch pollen and peanut allergy. J Allergy Clin Immunol. 2004;114:1410–1417.
36. Ladics GS, Bannon GA, Silvanovich A, Cressman RF. Comparison of conventional FASTA identity searches with the 80 amino acid sliding window FASTA search for the elucidation of potential identities to known allergens. Mol Nutr Food Res. 2007;51:985–998.
37. Yang X, Yu X. An introduction to epitope prediction methods and software. Rev Med Virol. 2009;19:77–96.
38. Ferreira F, Ebner C, Kramer B, et al. Modulation of IgE reactivity of allergens by site-directed mutagenesis: Potential use of hypoallergenic variants for immunotherapy. FASEB J. 1998;12:231–242.
39. Scheurer S, Son DY, Boehm M, et al. Cross-reactivity and epitope analysis of Pru a 1, the major cherry allergen. Mol Immunol. 1999;36:155–167.
40. Son DY, Scheurer S, Hoffmann A, Haustein D, Vieths S. Pollen-related food allergy: Cloning and immunological analysis of isoforms and mutants of Mal d 1, the major apple allergen, and Bet v 1, the major birch pollen allergen. Eur J Nutr. 1999; 38:201–215.
41. Tyman JHP. Long-chain phenols: VIII. Quantitative analysis of the unsaturated constituents of phenolic lipids by thin-layer chromatography-mass spectrometry. J Chromatogr A. 1977; 136:289–300.
42. Fernandes H, Michalska K, Sikorski M, Jaskolski M. Structural and functional aspects of PR-10 proteins. FEBS J. 2013;280: 1169–1199.
43. Petersen A, Rennert S, Kull S, et al. Roasting and lipid binding provide allergenic and proteolytic stability to the peanut allergen Ara h 8. Biol Chem. 2014;395:239–250.
44. Mittag D, Vieths S, Vogel L, et al. Soybean allergy in patients allergic to birch pollen: Clinical investigation and molecular characterization of allergens. J Allergy Clin Immunol. 2004;113:148–154.
45. Hansen KS, Ballmer-Weber BK, Lüttkopf D, et al. Roasted hazelnuts—Allergenic activity evaluated by double-blind, placebo-controlled food challenge. Allergy. 2003;58:132–138.
46. Mohan M, Kozhithodi S, Nayarisseri A, Elyas KK. Screening, purification and characterization of protease inhibitor from *Capsicum frutescens*. Bioinformation. 2018;14:285–293.
47. Crowell DN, John ME, Russell D, Amasino RM. Characterization of a stress-induced, developmentally regulated gene family from soybean. Plant Mol Biol. 1992;18:459–466.
48. Aliyu OM, Awopetu JA. Chromosome studies in cashew (*Anacardium occidentale* L.). Afr J Biotechnol. 2007;6:131–136.
49. Archak S, Gaikwad AB, Gautam D, Rao EV, Swamy KR, Karihaloo JL. Comparative assessment of DNA fingerprinting techniques (RAPD, ISSR and AFLP) for genetic analysis of cashew (*Anacardium occidentale* L.) accessions of India. Genome. 2003;46:362–369.
50. Ando K, Watanabe D, Tamada Y, Matsumoto Y. Oral allergy syndrome with severe anaphylaxis induced by pistachio. Int J Dermatol. 2011;50:632–633.
51. Hourihane JB, Kilburn SA, Nordlee JA, Hefle SL, Taylor SL, Warner JO. An evaluation of the sensitivity of subjects with peanut allergy to very low doses of peanut protein: A randomized, double-blind, placebo-controlled food challenge study. J Allergy Clin Immunol. 1997;100:596–600.
52. Rico R, Bulló M, Salas-Salvadó J. Nutritional composition of raw fresh cashew (*Anacardium occidentale* L.) kernels from different origin. Food Sci Nutr. 2015;4:329–338.
53. Riecken S, Lindner B, Petersen A, Jappe U, Becker WM. Purification and characterization of natural Ara h 8, the bet v 1 homologous allergen from peanut, provides a novel isoform. Biol Chem. 2008;389:415–423.
54. Sancho AI, Wangorsch A, Jensen BM, et al. Responsiveness of the major birch allergen bet v 1 scaffold to the gastric environment: Impact on structure and allergenic activity. Mol Nutr Food Res. 2011;55:1690–1699.
55. Seutter von Loetzen C, Hoffmann T, Hartl MJ, et al. Secret of the major birch pollen allergen bet v 1: Identification of the physiological ligand. Biochem J. 2014;457:379–390.
56. Asam C, Batista AL, Moraes AH, et al. Bet v 1—A Trojan horse for small ligands boosting allergic sensitization? Clin Exp Allergy. 2014;44:1083–1093.

57. Maia J, Dekkers BJW, Provart NJ, Ligterink W, Hilhorst HWM. The re-establishment of desiccation tolerance in germinated *Arabidopsis thaliana* seeds and its associated transcriptome. PLoS ONE. 2011;6:e29123.
58. Silvanovich A, Bannon G, McClain S. The use of E-scores to determine the quality of protein alignments. Regul Toxicol Pharmacol. 2009;54:S26–S31.
59. Ponting CP, Schultz J, Milpetz F, Bork P. SMART: Identification and annotation of domains from signalling and extracellular protein sequences. Nucleic Acids Res. 1999;27:229–232.
60. Eswar N, Webb B, Marti-Renom MA, et al. Comparative protein structure modeling using Modeller. Curr Protoc Bioinformatics. 2006;5:1–37 Unit 5.6.
61. Offermann L, Perdue M, He J, Hurlburt B, Maleki S, Chruszcz M. Structural biology of peanut allergens. J Contemp Immunol. 2015;2:1–26.
62. Reitsma M, Bastiaan-Net S, Sforza S, et al. Purification and characterization of *Anacardium occidentale* (cashew) allergens Ana o 1, Ana o 2, and Ana o 3. J Agric Food Chem. 2016;64:1191–1201.
63. Solntsev SK, Shortreed MR, Frey BL, Smith LM. Enhanced global post-translational modification discovery with MetaMorpheus. J Proteome Res. 2018;17:1844–1851.
64. Cox J, Mann M. MaxQuant enables high peptide identification rates, individualized p.p.b.-range mass accuracies and proteome-wide protein quantification. Nat Biotechnol. 2008;26:1367–1372.
65. MacLean B, Tomazela DM, Shulman N, et al. Skyline: An open source document editor for creating and analyzing targeted proteomics experiments. Bioinformatics. 2010;26:966–968.
66. Ivanciuc O, Schein CH, Braun W. SDAP: Database and computational tools for allergenic proteins. Nucleic Acids Res. 2003;31:359–362.
67. Goodman RE, Ebisawa M, Ferreira F, et al. AllergenOnline: A peer-reviewed, curated allergen database to assess novel food proteins for potential cross-reactivity. Mol Nutr Food Res. 2016;60:1183–1198.
68. Dimitrov I, Bangov I, Flower DR, Doytchinova I. AllerTOP v.2 – A server for in silico prediction of allergens. J Mol Model. 2014;20:2278.
69. Dimitrov I, Naneva L, Doytchinova I, Bangov I. AllergenFP: Allergenicity prediction by descriptor fingerprints. Bioinformatics. 2014;30:846–851.
70. Larsen MV, Lundegaard C, Lamberth K, Buus S, Lund O, Nielsen M. Large-scale validation of methods for cytotoxic T-lymphocyte epitope prediction. BMC Bioinformatics. 2007;8:424.
71. Ponomarenko J, Bui HH, Li W, et al. ElliPro: A new structure-based tool for the prediction of antibody epitopes. BMC Bioinformatics. 2008;9:514.
72. Larsen JE, Lund O, Nielsen M. Improved method for predicting linear B-cell epitopes. Immunome Res. 2006;24:2.

SUPPORTING INFORMATION

Additional supporting information may be found online in the Supporting Information section at the end of this article.

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TGACCTCTT
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>ig_53110_consensus
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ACAGAGTGTTGCTGCAGACTTTATATCTCAAAAGCTACTGCACTTTTTTTTTACCTGTAA
CTTGTCAAACTCGTTTC
>ig_53111_consensus
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AACTTTATTAGTTGTATAACTTATGTAGATT
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CCTACAAAATTCTCAACTATCACCTCATTTCTCGAATCAAAGACAAAAGCTAAGTTACTA
GAAAGAG
>ig_53114_consensus
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ATTTATGTCATCGCAAATCTCTCTTGGCAACCATTCGTTGAAAGGTGATGTCTTCATCAT
CAATCTTATCCTTGCCTTTACCCCATTTCTTATCT

Supplementary tables belonging to the manuscript

Identification and *in silico* bioinformatics analysis of PR10 proteins in cashew nut.

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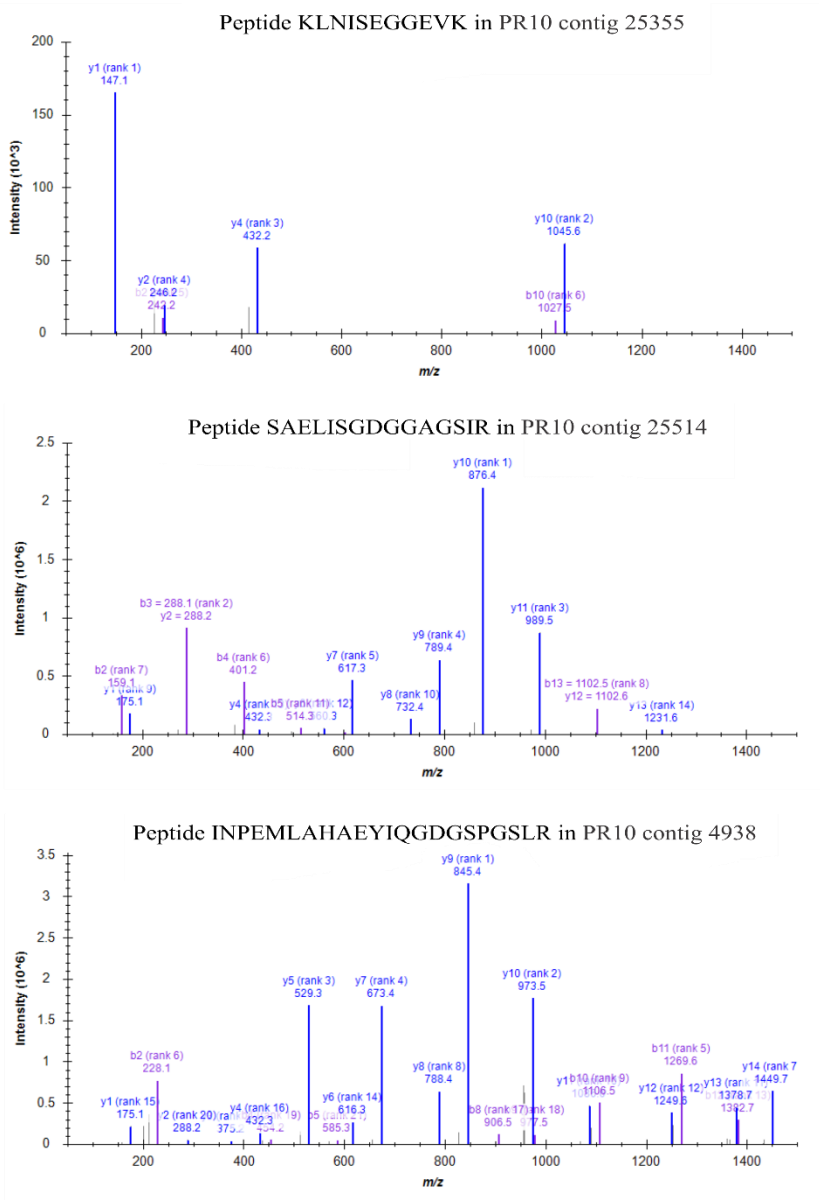

Supplementary Figure 1. Example peptide MS-MS spectra for each of the detected cashew nut PR10 contigs in MaxQuant as visualized in the program Skyline.

Supplementary Table 1. PCR primer sequences and their corresponding polymerase specific melting temperatures (MT) used for PCR amplification of *PR10-like* genes identified in contigs #25355, #18220 and #25514.

Primer	**Sequence '5-3' (bp)**	**MT platinum SuperFi DNA polymerase (°C)**
Contig-25355-F	ATG GGT GTC ATC ACT TTC ACT G	64.2
Contig-25514-F	ATG GCA GTT ATC ACT GAT CAA C	60.9
Contig-18220-F	ATG GGA TTT GCC TGC GGT GAA T	72.2
Contig-25355-R	TTA AGC ATA GGC ATC AGG ATT T	61.8
Contig-25514-R	TCA GTT GGC CTT GAG GTG TGC T	70.5
Contig-18220-R	TTA ATT GGC CTG GAG GTA TGC T	65.7

Supplementary Table 2. Output of an NCBI-BLAST search in the UniProtKB/Swiss-Prot (swissprot) database by blastp algorithm. The top 5 results are shown. The identified cashew PR10-like proteins are indeed related to pathogenesis-related proteins belonging to the PR10 family. All display the highest homology to the PR10 allergens Pru av 1 and Pru ar 1 from cherry and apricot, respectively.

Clone 25355-15

No.	Allergen	Source	Accession	Score	E-score	Identity
1	Pru ar 1	Apricot	O50001.1	180	1e-57	53%
2	Pru av 1	Cherry	O24248.1	172	1e-54	52%
3	Mal d 1	Apple	P43211.2	166	4e-52	52%
4	Mal d 1	Apple	Q40280.3	163	3e-51	51%
5	Pyr c 1	Pear	O65200.1	163	4e-51	50%

Clone 25514-14

No.	Allergen	Source	Accession	Score	E-score	Identity
1	Pru av 1	Cherry	O24248.1	141	1e-42	43%
2	Pru ar 1	Apricot	O50001.1	141	1e-42	44%
3	Mal d 1	Apple	Q40280.3	128	2e-37	42%
4	Aln g 1	Alder pollen	P38948.2	124	7e-36	41%
5	Mal d 1	Apple	P43211.2	121	1e-34	39%

Clone 25514-15

No.	Allergen	Source	Accession	Score	E-score	Identity
1	Pru av 1	Cherry	O24248.1	139	1e-41	42%
2	Pru ar 1	Apricot	O50001.1	139	1e-41	44%
3	Mal d 1	Apple	Q40280.3	125	2e-36	42%
4	Aln g 1	Alder pollen	P38948.2	121	9e-35	40%
5	Mal d 1	Apple	P43211.2	119	1e-33	39%

Clone 18220-11

No.	Allergen	Source	Accession	Score	E-score	Identity
1	Pru av 1	Cherry	O24248.1	139	1e-41	42%
2	Pru ar 1	Apricot	O50001.1	139	1e-41	44%
3	Mal d 1	Apple	Q40280.3	125	2e-36	42%
4	Aln g 1	Alder pollen	P38948.2	121	9e-35	40%
5	Mal d 1	Apple	P43211.2	119	1e-33	39%

Clone 18220-12

No.	Allergen	Source	Accession	Score	E-score	Identity
1	Pru av 1	Cherry	O24248.1	142	5e-43	46%
2	Pru ar 1	Apricot	O50001.1	136	1e-40	45%
3	Cor a 1	Hazel pollen	Q08407.3	129	6e-38	42%
4	Car b 1	Hornbeam pollen	P38950.2	128	2e-37	43%
5	Mal d 1	Apple	Q40280.3	127	3e-37	44%

Clone 18220-25

No.	Allergen	Source	Accession	Score	E-score	Identity
1	Pru av 1	Cherry	O24248.1	140	2e-42	46%
2	Pru ar 1	Apricot	O50001.1	134	8e-40	44%
3	Cor a 1	Hazel pollen	Q08407.3	127	3e-37	42%
4	Car b 1	Hornbeam pollen	P38950.2	126	1e-36	42%
5	Mal d 1	Apple	Q40280.3	126	1e-36	44%

Supplementary Table 3. Prediction of putative co- and post-translational modifications of Bet v 1.0101 (P15494), Pru du 1.01 (ACE80939.1) and the putative PR10-like proteins of cashew nut.

Type of modification	**Bet v 1.0101** 160 aa	**Pru du 1.01** 160 aa	**#25355 -15** 159 aa	**#25514-14** 155 aa	**#25514-15** 154 aa	**#18220 -11** 154 aa	**#18220 -12** 154 aa	**#18220 -25** 154 aa
Casein kinase II phosphorylation site	SsvE(40-43) SfpE(58-61) SviE(85-88) TkgD(123-126)	TfgE(58-61) TltE(85-88) TegD(87-90) TkgD(123-126)	TftE(5-8) TiiE(85-88) TgiE(124-127)	TifE(85-88) SkfE(94-97) TkwE(103-106) SgpD(107-110) TekE(136-139)	TifE(84-87) SkfE(93-96) TkwE(102-105) SgpD(106-109) TekE(135-138)	SvlD(23-26) TifE(83-86) TltD(89-92) TkwE(101-104)	SvlD(23-26) TifE(83-86) TltD(89-92) TkwE(101-104)	SvlD(23-26) TifE(83-86) TltD(89-92) TkwE(101-104)
N-myristoylation site	GGpgTI(49-54) GGpiGD(89-94)	GGpgTI(49-54) GSqyGY(62-67)	GGpgTI(49-54) GGckGT(110-115) GCkgTT(111-116) GTtvNK(114-119)	GGagSI(49-54) GMikAV(143-148)	GGagSI(48-53) GMikAV(142-147)	GGagSI(49-54)	GGagSI(49-54)	GGagSI(49-54)
Protein kinase C phosphorylation site	TiK(53-55) SnK(118-120)	TiK(53-55)	TiK(53-55)	SiR(53-55) TaK(118-120) TeK(136-138)	SiR(52-54) TaK(117-119) TeK(135-137)	SiR(53-55) TdK(91-93) SvK(116-118)	SiR(53-55) TdK(91-93) SvK(116-118)	SiR(53-55) TdK(91-93) SvK(116-118)
N-glycosylation site	Nysv(83-86)	Nhsy(79-82)	Nise(58 – 61) Nyti(83 – 86)			Nyti(81-84) Nksk(134-137)	Nyti(81-84) Nksk(134-137)	Nyti(81-84) Nksk(134-137)
cAMP- and cGMP-dependent protein kinase phosphorylation site	KKiS(55-58)	KKiT(55-58)						
Tyrosine kinase phosphorylation site						Klv.EgdsY(58-65)	Klv.EgdsY(58-65)	Klv.EgdsY(58-65)

Supplementary Table 4A. Cashew nut PR10 LC-MS/MS peptide identifications using MetaMorpheus and the MaxQuant analysis for the RapiGest and S-trap purifications.

			MetaMorpheus		MaxQuant			
			Intensity		Intensity			
Protein	Peptide sequence (AA)	Lenght	Old	Score[a]	RapiGest	S-trap	Score[b]	PEP Score[c]
PR10 contig 25355	KLNISEGGEVK	11	ND	---	4.05^{+08}	3.00^{+08}	52.59	1.73^{-2}
	IDALDKEK	8	1.84^{+07}	7.073	ND	ND	---	---
PR10 contig 25514	SAELISGDGGAGSIR	15	8.16^{+06}	16.264	2.05^{+07}	7.09^{+08}	99.50	5.64^{-08}
	GFVLDADDVFPK	12	ND	---	1.35^{+07}	ND	111.65	1.82^{-06}
	VMPQAIK	7	7.39^{+06}	9.101	ND	ND	---	---
	FYIVPGFEGAENFITTEK	18	2.17^{+07}	9.056	ND	ND	---	---
PR10_Contig_4938	INPEMLAHAEYIQGDGSPGSLR	22	2.87^{+07}	32.200	3.00^{+08}	6.20^{+08}	30.246	3.06^{-45}
	LGPAVQNYVK	10	1.18^{+07}	14.249	4.11^{+08}	3.49^{+08}	143.94	7.06^{-4}

a. Score in MetaMorpheus = combination of ion score (reflects how well the observed mass spectra matched to amino acid sequences within the peptide) and expect value (frequency that this match would occur by chance)
b. Andromeda score for the best associated MS/MS spectrum in MaxQuant
c. Posterior Error Probability score for the best associated MS/MS spectrum = probability of a peptide being wrongly identified ($P < 0.05$)

Supplementary Table 4B. iBAQ scores for the cashew nut PR10 contig protein sequences and Ana o 3.0101 (Q8H2B8) in the RapiGest and S-trap LC-MS/MS identifications.

Protein	iBAQ[a] RapiGest	iBAQ[a] S-trap	(Mean Ana o 3)/(mean PR10)[b]
PR10 contig 25355	$3.12^{+07} \pm 0.20^{+07}$	$2.31^{+08} \pm 0.17^{+08}$	99.2
PR10 contig 25514	$2.83^{+06} \pm 0.12^{+06}$	$5.91^{+06} \pm 0.19^{+06}$	2970
PR10 Contig 4938	$2.37^{+08} \pm 0.11^{+08}$	$3.23^{+08} \pm 0.13^{+08}$	46.4
2S albumin Ana o 3.0101	$1.40^{+10} \pm 0.20^{+10}$	$1.20^{+10} \pm 0.03^{+10}$	1

a. Mean iBAQ-values (intensity-based absolute quantification of proteins) = the ratio of the sum of all peptides
b. Mean between the RapiGest and S-trap values.

Supplementary Table 5A. AllergenOnline prediction results of putative PR10-like cashew proteins for the identification of homologous 8-mers and 80-mers sliding window alignments. The software only depicts the number of hits identified.

Cashew PR10-like clone	**No. of 8-mers hits**	**No. of 80-mers sliding windows hits**
#25355-15	127	179
#25514-14	2	179
#25514-15	2	179
#18220-11	1	179
#18220-12	1	179
#18220-25	1	179

Supplemental Table 5B. Allergenicity prediction results of putative PR10-like cashew proteins using the SDAP prediction software for the identification of homologous 6-mers and sliding 80-mer windows

PR10-like	Identification of 6-mer					Identification of 80-mers sliding window alignments (top 5 types are indicated)				
Clone	**6-mer (aa)**	**Homology to**	**Accession**	**Source**	**Identity**	**Homology to**	**Accession**	**Source**	**Identity**	**Homology**
#25355-15	VLDFDN	Lyc e 4.0101	CAA75803	Tomato	Bet v 1-like	Pru p 1.0101	Q216V8	Peach	Bet v 1-like	59% over 47 aa
	GEVKYL	Jug n 2	AAM54366	Black walnut	Vicilin	Pru av 1	O24248	Cherry	Bet v 1-like	60% over 48 aa
	GEVKYL	Jug r 2	AAF18269	English walnut	Vicilin	Que a 1.0301	ABZ81046	White oak	Bet v 1-like	59% over 47 aa
	KHRIDA	Que a 1.0201	ABZ81045	White oak	Bet v 1-like	Que a1.0201	ABZ81045	White oak	Bet v 1-like	58% over 46 aa
	HRIDAL	Que a 1.0201	ABZ81045	White oak	Bet v 1-like	Rub i 1.0101	Q0Z8U9	Red raspberry	Bet v 1-like	61% over 49 aa
	RIDALD	Que a 1.0201	ABZ81045	White oak	Bet v 1-like					
	EGDAMD	Asp n 25	P34754	Aspergillus	3 phytase B					
	LANPDA	Pru ar 1	O50001	Apricot	Bet v 1-like					
#25514-14	AIKSAE	Cas s 1	CAD10374	Chestnut	Bet v 1-like	Pru ar 1	O50001	Apricot	Bet v 1-like	46% over 37 aa
	YMKHKV	Cor a 1.0401	AAD48405	Hazelnut	Bet v 1-like	Mal d 1	CAA96534	Apple	Bet v 1-like	44% over 35 aa
	YMKHKV	Cor a 1.0402	AAG40329	Hazelnut	Bet v 1-like	Cas s 1	CAD10374	Chestnut	Bet v 1-like	44% over 35 aa
	YMKHKV	Cor a 1.0403	AAG40330	Hazelnut	Bet v 1-like	Rub i 1.0101	Q0Z8U9	Red raspberry	Bet v 1-like	49% over 39 aa
	YMKHKV	Cor a 1.0404	AAG40331	Hazelnut	Bet v 1-like					
	TIFEGD	Tar o RAP	AAB92255	Cacao	Bet v 1-like					
#25514-15	VACALP	Blo t 21.0101	ABH06350	Mite	Allergen group 5/21	Mal d 1	CAA96534	Apple	Bet v 1-like	44% over 35 aa
	VACALP	Blo t 21.0101	ABH06348	Mite	Allergen group 5/21	Cas s 1	CAD10374	Chestnut	Bet v 1-like	45% voer 36 aa
	VACALP	Blo t 21.0101	ABH06347	Mite	Allergen group 5/21	Rub i 1.0101	Q0Z8U9	Red raspberry	Bet v 1-like	51% over 41 aa
	VACALP	Blo t 21.0101	ABH06344	Mite	Allergen group 5/21					
	VACALP	Blo t 21.0101	ABH06346	Mite	Allergen group 5/21					
	AIKSAE	Cas s 1	CAD10374	Chestnut	Bet v 1-like					
	YMKHKV	Cor a 1.0401	AAD48405	Hazelnut	Bet v 1-like					
	YMKHKV	Cor a 1.0402	AAG40329	Hazelnut	Bet v 1-like					
	YMKHKV	Cor a 1.0403	AAG40330	Hazelnut	Bet v 1-like					
	YMKHKV	Cor a 1.0404	AAG40331	Hazelnut	Bet v 1-like					
	TIFEGD	Tar o RAP	AAB92255	Cacao	Bet v 1-like					
#18220-11	AIKSAE	Cas s 1	CAD10374	Chestnut	Bet v 1-like	Mal d 1	CAA96534	Apple	Bet v 1-like	58% over 46 a
	YMKHKV	Cor a 1.0401	AAD48405	Hazelnut	Bet v 1-like	Rub i 1.0101	Q0Z8U9	Red raspberry	Bet v 1-like	59% over 47 aa
	YMKHKV	Cor a 1.0402	AAG40329	Hazelnut	Bet v 1-like	Pru av 1	O24248	Cherry	Bet v 1-like	55% over 44 aa
	YMKHKV	Cor a 1.0403	AAG40330	Hazelnut	Bet v 1-like	Que a 1.0301	ABZ81046	White oak	Bet v 1-like	45% over 36 aa
	YMKHKV	Cor a 1.0404	AAG40331	Hazelnut	Bet v 1-like					
	KHKVDA	Tar o RAP	AAB92255	Cacao	Bet v 1-like					

	TIFEGD	Tar o RAP	AAB92255	Cacao	Bet v 1-like					
	AYLQAN	Chi t 7	P84298	Midge	Globin CTT-VIIB-3					
	AYLQAN	Chi t 7	P84299	Midge	Globin CTT-VIIB-3					
#18220-12	AIKSAE	Cas s 1	CAD10374	Chestnut	Bet v 1-like	Mal d 1	CAA96534	Apple	Bet v 1-like	58% over 46 aa
	YMKHKV	Cor a 1.0401	AAD48405	Hazelnut	Bet v 1-like	Rub i 1.0101	Q0Z8U9	Red raspberry	Bet v 1-like	58% over 47 aa
	YMKHKV	Cor a 1.0402	AAG40329	Hazelnut	Bet v 1-like	Pru av 1	O24248	Cherry	Bet v 1-like	55% over 44 aa
	YMKHKV	Cor a 1.0403	AAG40330	Hazelnut	Bet v 1-like	Que a 1.0301	ABZ81046	White oak	Bet v 1-like	45% over 36 aa
	YMKHKV	Cor a 1.0404	AAG40331	Hazelnut	Bet v 1-like					
	TIFEGD	Tar o RAP	AAB92255	Cacao	Bet v 1-like					
	AYLQAN	Chi t 7	P84298	Midge	Globin CTT-VIIB-3					
	AYLQAN	Chi t 7	P84299	Midge	Globin CTT-VIIB-3					
#18220-25	AIKSAE	Cas s 1	CAD10374	Chestnut	Bet v 1-like	Mal d 1	CAA96534	Apple	Bet v 1-like	58% over 46 aa
	YMKHKV	Cor a 1.0401	AAD48405	Hazelnut	Bet v 1-like	Rub i 1.0101	Q0Z8U9	Red raspberry	Bet v 1-like	59% over 47 aa
	YMKHKV	Cor a 1.0402	AAG40329	Hazelnut	Bet v 1-like	Pru av 1	O24248	Cherry	Bet v 1-like	55% over 44 aa
	YMKHKV	Cor a 1.0403	AAG40330	Hazelnut	Bet v 1-like	Que a 1.0301	ABZ81046	White oak	Bet v 1-like	45% over 36 aa
	YMKHKV	Cor a 1.0404	AAG40331	Hazelnut	Bet v 1-like					
	KHKVDA	Tar o RAP	AAB92255	Cacao	Bet v 1-like					
	TIFEGD	Tar o RAP	AAB92255	Cacao	Bet v 1-like					
	AYLQAN	Chi t 7	P84298	Midge	Globin CTT-VIIB-3					
	AYLQAN	Chi t 7	P84299	Midge	Globin CTT-VIIB-3					

Supplementary Table 6. Results of allergenicity prediction of cashew PR10-like proteins using AllerTOPv.2 and AllergenFP allergen prediction servers and nearest allergen match.

		Nearest matching allergen		
Clone	**Prediction**	**Accession**	**Source**	**Definition**
#25355-15	Probable allergen[a]	CAA96549	*Corylus avellana* (Hazelnut)	Cor a 1 (Bet v 1-like)
	Probable allergen[b]	Q941P6	*Malus domestica* (Apple)	Mal d 1.0109 (Bet v 1-like)
#25514-14	Probable non-allergen[a]			
& -15	Probable allergen[b]	ABZ81046	*Quercus Alba* (White oak)	Que a 1 (Bet v 1-like)
#18220-11,	Probable allergen[a]	Q43549	*Malus domestica* (Apple)	Mal d 1 (Bet v 1-like)
-12 & -25	Probable allergen[b]	Q43551	*Malus domestica* (Apple)	Mal d 1 (bet v 1-like)

a. As predicted by AllerTOPv.2

b. As predicted by AllergenFP.

Supplementary Table 7. Prediction of MHC ligands and t-cell and B-cell epitopes using various software tools. The region containing the Bet v 1-specific IgE epitope ENIEGNGGPG is underlined.

PR10-like clone	Type of analysis	Software	Location of the prediction sites
#25355-15	B cell epitope prediction (Continuous)	ElliPro BPAP BepiPred 1.0	9-17, 35-54, 60-67, 76-80, 89-96, 105-113, 121-134,152-159 10-40, 64-73, 76-84, 94-106, 140-154 9-15, 44-54, 59-65, 91-94, 105-128, 131-136, 138, 156-159
	B-cell epitope prediction (Discontinuous)	ElliPro 1.0	K40:N41:S60:E61:G62:G63:E64:V65:Y67, M1:G2:V3:I4:T5:D93:K94:E96:Y121:P122:K123:T124:G125:I126:E127:L128:E129:E130:E131:K132:K134, S11:P13:V14:E105:V106:S107:P108:D109:G110:G111:K113, G149:L152:A153:N154:P155:D156:A157:Y158:A159, E43:T44:I45:E46:G47:D48:G49:G50:P51:G52:T53:I54, D76:E78:K79:L80
	MHC and T-cell ligands	NetCTL-1.2	6 MHC ligands 151 T-cell epitope peptides
#25514-14	B cell epitope prediction (Continuous)	ElliPro BPAP BepiPred 1.0	9-18, 33-53, 60-66, 74-80, 92-97, 106-114, 122-132 4-14, 20-44, 53-61, 66-74, 77-85, 95-101, 114-126, 143-150 30-32, 37, 39, 44-53, 103-114, 127-130, 132-140,
	B-cell epitope prediction (Discontinuous)	ElliPro 1.0	E61:D62:D63:K64:L65:T66, A11:E106:S107:G108:P109:D110:G111:G112:S113:I114, E128:G129:A130:E131:N132:T135, M1:A2:V3:I4:T5:L92:E93:S94:K95:Y122:I123:V124:P125:G126:F127, E43:L44:I45:S46:G47:D48:G49:G50:A51:G52:S53, T13:L14:P15:D17:K18:K33:A150:H151:L152:K153:A154:N155, F74:D76:R77:E78:N79:L80, M35:P36:Q37:A38, I39:K40:S41:L60
	MHC and T-cell ligands	NetCTL-1.2	3 MHC ligands 147 T-cell epitope peptides
#25514-15	B cell epitope prediction (Continuous)	ElliPro BPAP BepiPred 1.0	8-16, 34-52, 59-65, 73-79, 91-96, 105-113, 121-134 4-15, 19-43, 52-60, 65-73, 76-84, 94-100, 113-125, 142-149 29-31, 36, 38, 43-52, 102-113, 126-129, 131-139,
	B-cell epitope prediction (Discontinuous)	ElliPro 1.0	E127:G128:A129:E130:N131:F132:T134, A1:V2:I3:T4:L91:E92:S93:K94:E96:Y121:I122:V123:P124:G125:F126, A10:A12:L13:P14:D16:F73:D75:E77:N78:L79:E105:S106:G107:P108:D109:G110:G111:S112:I113:A149:H150:L151:K152:A153:N154, E42:L43:I44:S45:G46:D47:G48:G49:A50:G51:S52, M34:P35:Q36:A37:I38:K39:S40:L59:E60:D61:D62:K63:L64:T65

	MHC and T-cell ligands	NetCTL-1.2	3 MHC ligands 146 T-cell epitope peptides
#18220-11	B cell epitope prediction (Continuous)	ElliPro BPAP BepiPred 1.0	9-15, 33-53, 56-65, 74-78, 87-95, 104-112, 120-134 9-44, 53-61, 66-72, 75-82, 112-130, 140-149 44-53, 64-65, 72-73, 89-92, 102-112, 124-140
	B-cell epitope prediction (Discontinuous)	ElliPro 1.0	E11:S12:V13:L14:P15:K18:E104:S105:T106:P107:A108:G109:G110:S111:I112:A149:Y150:L151:Q152:A153:N154, M1:G2:F3:A4:C5:G87:D88:T89:L90:T91:D92:K93:T121:L122:P123:G124:F125:D126:V127:P128:G129:E130:S131:L132:N134, D74:K75:E76:T77:F78, M35:F36:Q37:A38:I39:K40:S41:E43:L44:L45:Q46:G47:D48:G49:G50:A51:G52:S53:K56:K58:V60:E61:G62:D63:S64:Y65:E86, D26:Q29:K33
	MHC and T-cell ligands	NetCTL-1.2	4 MHC ligands 146 T-cell epitope peptides
#18220-12	B cell epitope prediction (Continuous)	ElliPro BPAP BepiPred 1.0	9-15, 33-38, 40-53, 58-64, 74-78, 90-95, 104-112, 121-131 9-44, 53-61, 66-72, 75-82, 112-130, 140-149 44-53, 64-65, 72-73, 89-92, 102-112, 124-140
	B-cell epitope prediction (Discontinuous)	ElliPro 1.0	E11:V13:L14:P15:E104:S105:T106:P107:A108:G109:G110:I112:A149:Y150:Q152:A153:N154, M1:G2:F3:T89:L90:T91:D92:K93:T121:L122:P123:G124:F125:D126:V127:P128:G129:E130:S131:N134, M35:S36:Q37:A38:K40:S41:K58:V60:E61:G62:D63:S64, E43:L44:L45:Q46:G47:D48:G49:G50:A51:G52:S53, D74:K75:E76:T77:F78, D26:Q29:K33
	MHC and T-cell ligands	NetCTL-1.2	4 MHC ligands 146 T-cell epitope peptides
#18220-25	B cell epitope prediction (Continuous)	ElliPro BPAP BepiPred 1.0	9-15, 33-53, 58-65, 74-78, 87-95, 104-112, 120-131 9-44, 53-61, 66-72, 75-82, 112-130, 140-149 44-53, 64-65, 72-73, 89-92, 102-112, 124-134, 137-139,
	B-cell epitope prediction (Discontinuous)	ElliPro 1.0	E11:S12:V13:L14:P15:K18:E104:S105:T106:P107:A108:G109:G110:S111:I112:A149:Y150:L151:Q152:A153:N154, M1:G2:F3:A4:C5:G87:D88:T89:L90:T91:D92:K93:Y120:T121:L122:P123:G124:F125:D126:V127:P128:G129:E130:S131:N134, E43:L44:L45:Q46:G47:D48:G49:G50:A51:G52:S53, M35:S36:Q37:A38:I39:K40:S41:K58:V60:E61:G62:D63:S64:Y65 D74:E76:T77:F78, D26:Q29:K33
	MHC and T-cell ligands	NetCTL-1.2	4 MHC ligands 146 T-cell epitope peptides

Supplementary Materials and methods belonging to the manuscript

Identification and *in silico* bioinformatics analysis of PR10 proteins in cashew nut.

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Sample preparation and RNA isolation

Samples & chemicals

Raw in-shell cashews nuts were obtained from Intersnack B.V. (Doetinchem, The Netherlands). Chemicals were purchased from Sigma-Aldrich Inc. (St. Louis, MO, USA) unless stated otherwise. RNeasy Mini Kit and RNase-Free DNase Set for on-column DNA digestion were from Qiagen (Hilden, Germany). Primers were from Biolegio B.V. (Nijmegen, The Netherlands). MT platinum SuperFi DNA polymerase was from Invitrogen (Carlsbad, CA, USA), the pGEM®-T easy vector system was purchased form Promega Benelux B.V. (Leiden, The Netherlands) while the iScript Select cDNA Synthesis Kit was from Bio-Rad Laboratories B.V. (Veenendaal, The Netherlands). Coomassie Bradford Protein Assay kit was from Thermo Fisher Scientific (Breda, The Netherlands)

RNA isolation

Ten raw cashew nuts were mixed to acquire a representative sample. Total RNA extraction was performed using the Hot-Borate procedure described by Maia et al. [59] with some small adjustments. In short, to a spatula tip of cashew nut powder, 800 μL of Hot-borate buffer (0.2M sodium borate decahydrate (Borax); 30 mM EGTA; 1% (w/v) SDS and 1% (w/v) sodium deoxycholate, containing 1.6 mg DTT (dithiothreitol) and 48 mg PVP40) heated to 80˚C was added and samples were rigorously mixed. After the addition of 1 mg Proteinase K the suspension was incubated for 15 min at 42˚C while mixing every 5 minutes. After adding 64

μL of 2 M KCl, the samples were incubated on ice for 30 min and subsequently centrifuged for 20 min at 16,100xg. The supernatant was extracted with an equal volume of phenol/chloroform/IAA (24:25:1), followed by the addition of an equal volume of isopropanol. The samples were stored in the freezer at -20˚C for 1 hour. Hereafter, the samples were centrifuged for 20 min at 16,100xg at 4˚C. Pellets were re-suspended in 600 μL MQ after which 200 μL ice-cold 8 M LiCl was added and the tubes were incubated overnight on ice. Pellets were obtained by centrifugation for 20 min at 16,100xg at 4˚C, washed with 150 mL ice-cold 2 M LiCl and re-suspended in 100 μL MQ and further purified with RNeasy spin columns, including on-column DNase treatment following manufacturer's instructions. RNA quality and concentration were assessed by agarose gel electrophoresis and UV spectrophotometry using Nanodrop (Thermo Fisher Scientific; Waltham, MA, USA). The RIN-value of the cashew RNA sample used for RNA-seq transcriptome profiling as checked by BioAnalyzer (Agilent Technologies; Amstelveen, The Netherlands) was 8.6.

RNA-seq transcriptome profiling

RNA-seq library construction, including quality control and filtering (PhiX and adaptor sequences removal), quantification and sequencing using the Illumina Hiseq2500 (2x 125 cycles) were performed by BaseClear B.V. (Leiden, The Netherlands).

The raw RNA-seq sequence data has been deposited to the NCBI Sequence Read Archive (SRA) database in fastq format (SRA accession code PRJNA566328).

RNA-seq data analysis and BLAST analyses

Raw sequencing reads were uploaded into Gx CLC Genomics Workbench version 10.1.1 (Qiagen; Hilden, Germany), and subsequently paired and trimmed. Paired reads were *de novo* assembled and BLAST analyses were performed on paired assembly consensus databases for

contig extraction using BLOSUM62 (Expectation value 10; word size 3; threads 8; low complexity filter without mask lower case; existence 11; extension 1). BLAST tblastn (protein sequence and translated DNA database) analyses based on the Protein Data Bank (pdb)were performed by using the PR10 Bet v 1-like allergens of almond (*Prunus dulcis*) as query: Pru du 1.01 (ACE80939.1), Pru du 1.02 (ACE80941.1), Pru du 1.03 (ACE80943.1), Pru du 1.04 (ACE80945.1), Pru du 1.05 (ACE80947.1), Pru du 1.06A (ACE80951.1) and (Pru du 1.06B_ACE80949.1). Selection of reliable homologs was based on a minimal E-value of 10^{-8} as specified by Silvanovich et al [60].