

IMMUNOPROTEOMIC PROFILE OF *Malus domestica* IN MEXICAN PEDIATRIC PATIENTS. EVIDENCE OF NEW ALLERGEN PROSPECTS

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Table S1. Employed oligonucleotides to amplify the apple genes*			
GENE	Oligonucleotides	Tm (°C)	Size
Mal d 1	Fw: 5' GCCATATGGGTGTCTACACATTTGA	57	480 nt
	Rv: 5' CCTCGAGGTTGTATGCGTCGGGG 3'	57	
GAPDH	Fw: 5' GCCATATGGCAACATCTGGCAAGA 3'	57	1,030 nt
	Rv: 5' GCCTCGAGGAGGGTGGATGCTAC 3'	57	
Annexin	Fw: 5' GCCATATGGCGAGTTGCAGGG 3'	57	955 nt
	Rv: 5' GCCTCGAGAGCATCTGCATGTC 3'	57	

*All oligonucleotides contain restriction sites to clone into a pTWIN 1 vector. *NdeI* for oligo Fw and *XhoI* for oligo Rv. The restriction sites in oligos are marked in bold.

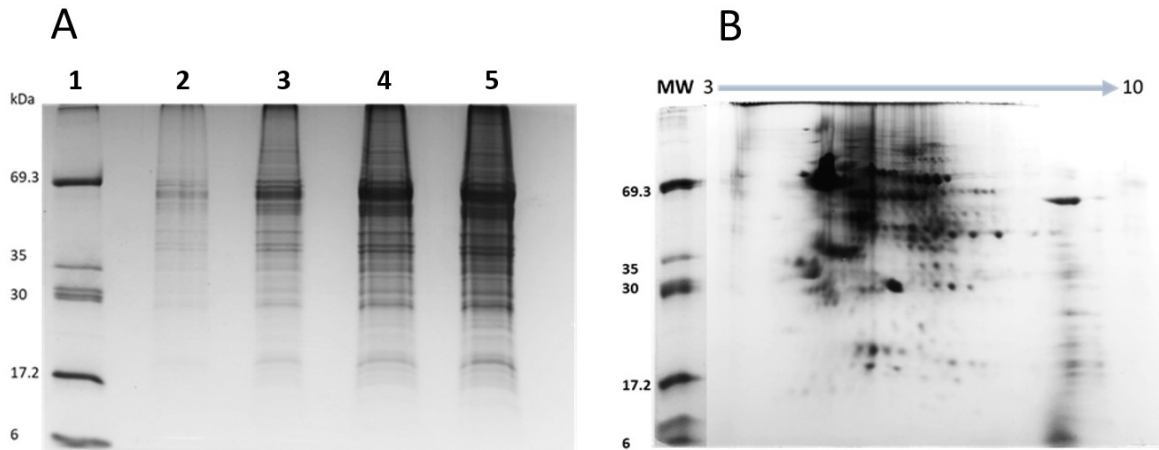


Figure S1. (A) SDS-PAGE of apple extracts. Lanes: (1) MW markers; (2) 5 μ g of apple extract; (3) 15 μ g of apple extract; (4) 25 μ g of apple extract; (5) 50 μ g of apple extract. (B) 2D-SDS-PAGE of apple extract. The gels were stained by colloidal Coomassie.

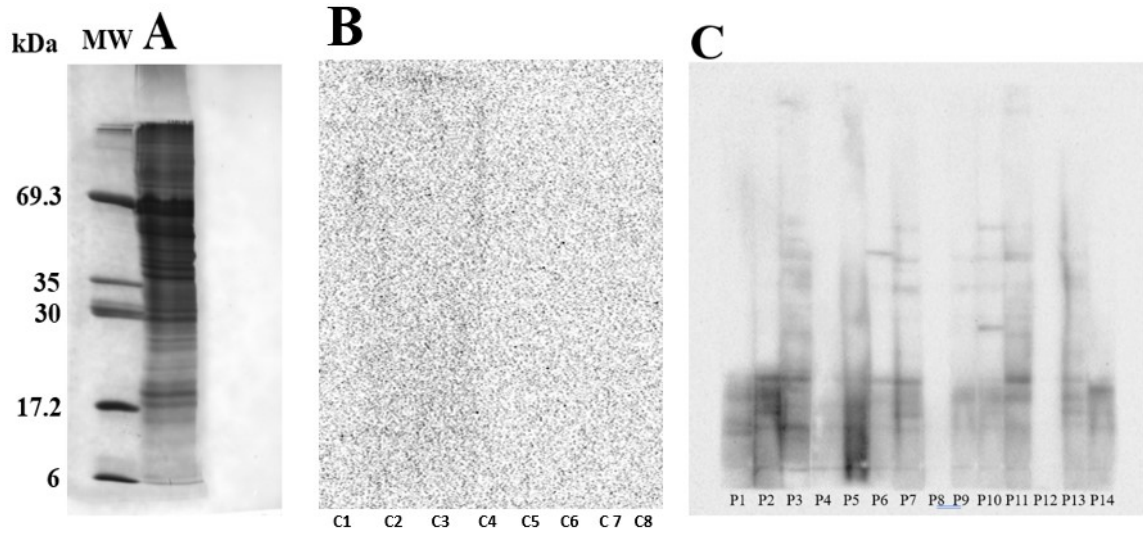
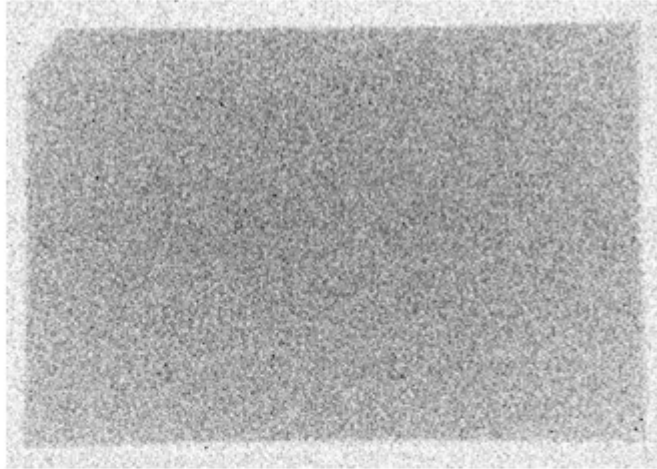
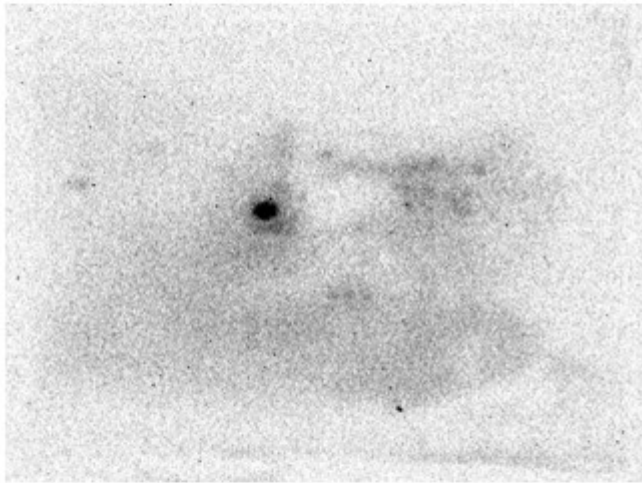


Figure S2. Raw Data from Figure 2 showing separately panels A, B, and C.

A



B



C

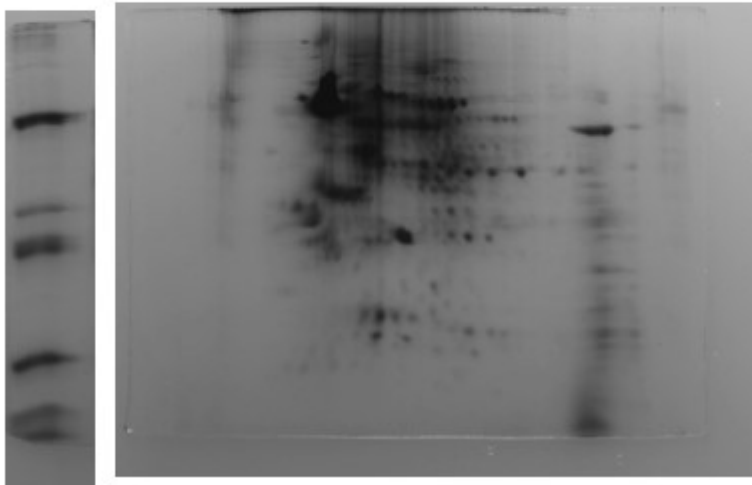


Figure S3. Raw Data from Figure 3 showing separately panels A, B, and C.

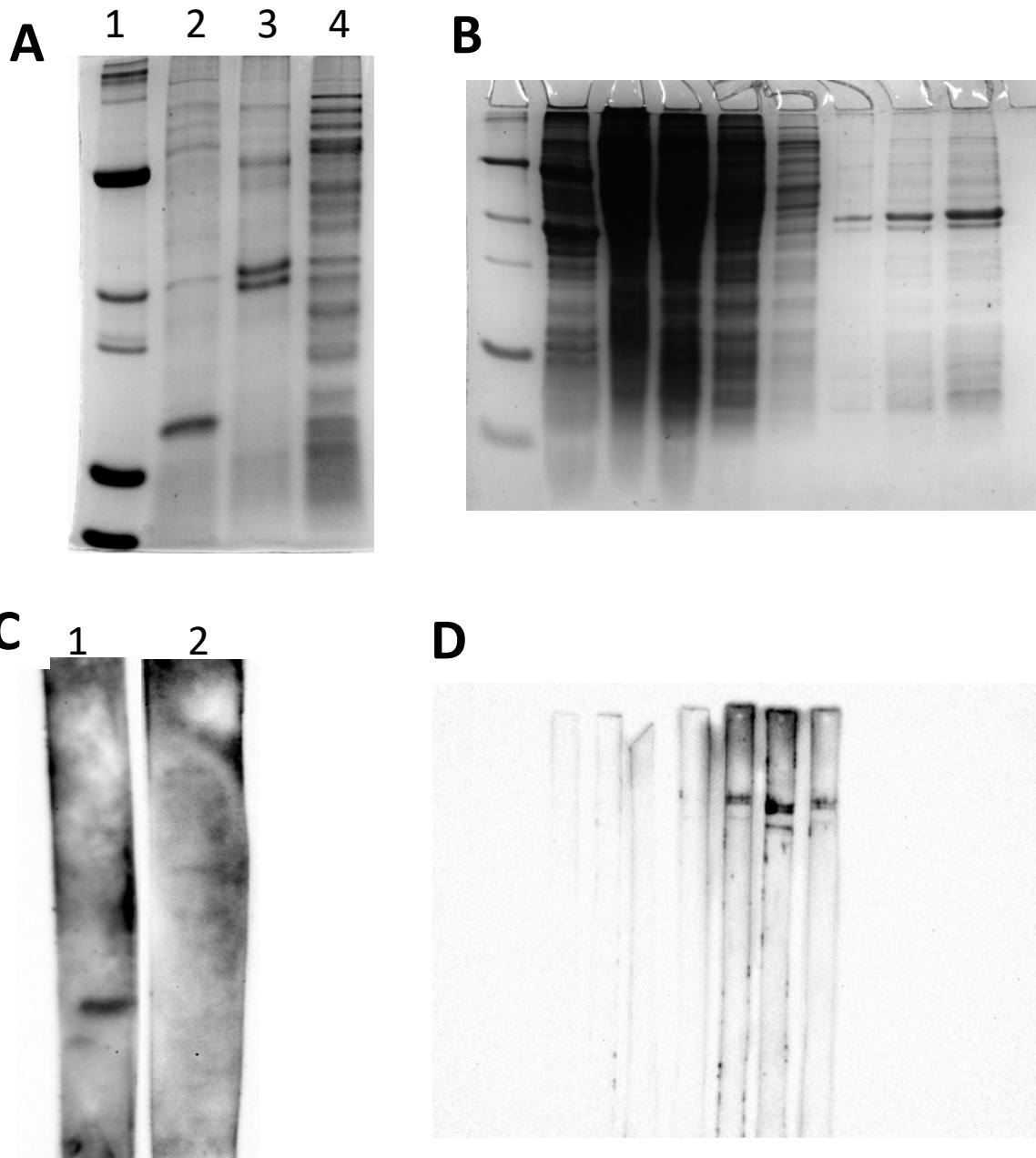


Figure S4. Raw Data from Figure 5. Panel A: SDS-PAGE of recombinant apple proteins. Line 1: Molecular weight markers; Line 2: Mal d 1; Line 3: GAPDH; Line 4: Annexin. Panel B: SDS-PAGE of recombinant GAPDH purified at different grades. Panel C: Western blot of Mal d 1 (line 1) and Annexin (line 2). Panel D: Western blot of GAPDH using sera from different patients.