Table 1 Prediction of protein allergenicity by AllerCatPro

Protein	Allergen	Similarity to allergen and resulting predicted evidence for allergenicity	
		Result	Comment
Arachis hypogaea	Ara h 1	Strong evidence	3D epitope>93%
	Ara h 2	Strong evidence	3D epitope>93%
	Ara h 3	Strong evidence	3D epitope>93%
	Ara h 3	Strong evidence	3D epitope>93%
	Ara h 5	Strong evidence	3D epitope>93%
	Ara h 6	Strong evidence	3D epitope>93%
	Ara h 7	Strong evidence	3D epitope>93%
	Ara h 8	Strong evidence	3D epitope>93%
	Ara h 9	Strong evidence	3D epitope>93%
	Ara h 10	Strong evidence	win80lin >35%
	Ara h 11	Strong evidence	win80lin >35%
	Ara h 12	Strong evidence	6-mer x3 nolcr
	Ara h 13	Strong evidence	6-mer x3 nolcr
	Ara h 14	Strong evidence	win80lin >35%
	Ara h 15	Strong evidence	win80lin >35%
	Ara h 16	Strong evidence	6-mer x3 nolcr and 3D epitope>93%
	Ara h 17	Strong evidence	3D epitope>93%
Gallus gallus	Gal d 1	Strong evidence	win80lin >35%
	Unknown	Strong evidence	3D epitope>93%
	Gal d 3	Strong evidence	3D epitope>93%
	Unknown	Strong evidence	3D epitope>93%
	Gal d 5	Strong evidence	3D epitope>93%
	Gal d 6	Strong evidence	3D epitope>93%
	Gal d 7	Strong evidence	3D epitope>93%
	Gal d 8	Strong evidence	3D epitope>93%
	Gal d 9	Strong evidence	3D epitope>93%
Bos taurus	Bos d 2	Strong evidence	3D epitope>93%
	Bos d 3	Strong evidence	3D epitope>93%
	Bos d 4	Strong evidence	3D epitope>93%
	Bos d 5	Strong evidence	3D epitope>93%
	Bos d 6	Strong evidence	3D epitope>93%
	Bos d 9	Strong evidence	win80lin >35%
	Bos d 10	Strong evidence	win80lin >35%
	Casein	Strong evidence	win80lin >35%
	Bos d 8	Strong evidence	win80lin >35%
	Bos d 13	Strong evidence	3D epitope>93%
Glycine max	Gly m 1	Strong evidence	6-mer x3 nolcr and 3D epitope>93%
	Gly m 3	Strong evidence	3D epitope>93%
	Gly m 4	Strong evidence	3D epitope>93%
	Gly m 5	Strong evidence	Gluten-like Q-repeats and 3D epitope>93%
	Gly m 6	Strong evidence	Gluten-like Q-repeats and 3D epitope>93%
	Gly m 7	Strong evidence	win80lin >35%
	Gly m 8	Strong evidence	3D epitope>93%

3D epitope>93%: identity of aligned 3D surface residues is >93%; win80lin >35%: protein sequence is > 35% identical to allergens over 80 residue window; 6-mer x3 nolcr: protein sequence has 3 x6 mers identical to allergens; Gluten-like Q-repeats: This is the number of identified Gluten-like Q repeats based on a 9 amino acid window log-odd score of the composition fingerprint from the Food Allergy Research and Resource Program Celiac Disease peptide library.