

Table S2. Results of the epitope prediction of the HTL proteins Ag85A, Ag85B and CFP-10

Protein	Peptide	Length	Allele	Percentile	Immunogenicity	Allergenicity		Toxicity	IL-4	IL-10	IFN-γ
						Allergen FP v.1.0	AllerTOPv.2.0				
Ag85A	SGLVGAVGGTATAGA	29–43	HLA-DQA1*05:01/ DQB1*03:01	0.21	1.2452	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	AVVGLSMAASSALTL	164–178	HLA-DRB1*09:01	0.27	0.7053	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	GLVGAVGGTATAGAF	30–44	HLA-DQA1*05:01/ DQB1*03:01	0.27	0.8397	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	LVGAVGGTATAGAFS	31–45	HLA-DQA1*05:01/ DQB1*03:01	0.32	0.8053	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	GSVVGLSMAASSAL	162–176	HLA-DRB1*09:01 HLA-DQA1*01:02/ DQB1*06:02	0.34 1.3	0.7072	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	SAVVGLSMAASSALT	163–177	HLA-DRB1*09:01 HLA-DQA1*01:02/ DQB1*06:02	0.34 1.5	0.6602	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	LPVEYLQVPSMGR	49–63	HLA-DRB1*04:01	0.38	0.7922	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	VGAVGGTATAGAFSR	32–46	HLA-DQA1*05:01/ DQB1*03:01	0.56	0.8616	Probable non-allergen	Probable non-allergen	Non-toxin	IL-4 inducer	Non-IL-10 inducer	Positif
	VEYLQVPSMGRDI	51–65	HLA-DRB1*04:01	0.7	0.7257	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	GLPVEYLQVPSMSG	48–62	HLA-DRB1*04:01	0.77	0.7985	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	GAVGGTATAGAFSRP	33–47	HLA-DQA1*05:01/ DQB1*03:01	0.93	0.8415	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	TGSAAVGLSMAASSA	161–175	HLA-DQA1*01:02/ DQB1*06:02	1.3	0.9493	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	PTGSAAVGLSMAASS	160–174	HLA-DQA1*01:02/ DQB1*06:02	1.5	0.7231	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	PVEYLQVPSMGRD	50–64	HLA-DRB1*04:01	0.46	0.7094	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	Non-IL-10 inducer	Positif
	MIGTAAAVVLPGLVG	16–30	HLA-DQA1*01:02/ DQB1*06:02	0.89	0.6167	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	IL-10 inducer	Positif

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Table S2. Continued

Protein	Peptide	Length	Allele	Percentile	Immunogenicity	Allergenicity		Toxicity	IL-4	IL-10	IFN-γ
						Allergen FP v.1.0	AllerTOPv.2.0				
Ag85B	LENFVRSSNLKFDQA	269–283	HLA-DRB1*13:02	0.97	0.6656	Probable non-allergen	Probable non-allergen	Non-toxin	IL-4 inducer	IL-10 non-inducer	Positif
			HLA-DRB3*02:02	1.3							
ENFVRSSNLKFDAY	270–284		HLA-DRB1*04:01	1.7	0.6533	Probable non-allergen	Probable non-allergen	Non-toxin	IL-4 inducer	IL-10 non-inducer	Negatif
			HLA-DRB1*13:02	1.4							
			HLA-DRB3*02:02	1.8							
			HLA-DRB1*04:01	2							
IGTAAAVVLPGLVGL	17–31		HLA-DQA1*01:02/	1.7	0.8207	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	IL-10 inducer	Negatif
			DQB1*06:02								
PTGSAAGLSMAGSS	157–171		HLA-DQA1*05:01/	1.8	0.6078	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	IL-10 non-inducer	Positif
			DQB1*03:01								
TGSAAIGLSMAGSSA	158–172		HLA-DQA1*05:01/	1.8	0.7204	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	IL-10 non-inducer	Positif
			DQB1*03:01								
GSAAGLSMAGSSAM	159–173		HLA-DQA1*05:01/	2	0.6869	Probable non-allergen	Probable non-allergen	Non-toxin	Non-IL-4 inducer	IL-10 non-inducer	Positif
			DQB1*03:01								
CFP-10	RGAAGTAAQAAVRF	44–58	HLA-DQA1*01:02/	0.03	1.2701	Probable non-allergen	Probable non-allergen	Non-toxin	IL-4 inducer	IL-10 non-inducer	Negatif
			DQB1*06:02								
AAVRFQEAANKQKQ	53–67		HLA-DRB5*01:01	0.79	0.6776	Probable non-allergen	Probable non-allergen	Non-toxin	IL-4 inducer	IL-10 inducer	Positif
			HLA-DRB5*01:01								
VRFQEAANKQKQKLD	56–70		HLA-DRB5*01:01	1.1	1.2201	Probable non-allergen	Probable non-allergen	Non-toxin	IL-4 inducer	IL-10 inducer	Negatif
			HLA-DRB5*01:01								
LQGQWRGAAGTAAQA	39–53		HLA-DQA1*05:01/	1.5	0.8285	Probable non-allergen	Probable non-allergen	Non-toxin	IL-4 inducer	IL-10 non-inducer	Negatif
			DQB1*03:01								

HTL, helper T lymphocyte; IL, interleukin; IFN, interferon.