

**Table S1.** Results of the epitope prediction of the CTL proteins Ag85A, Ag85B, ESAT-6, and CFP-10

Protein	Peptide	Length	Allel	Percentile	Immunogenicity	Antigenicity	Allergenicity		Toxicity
							AllergenFP V.1.0	Allertop V.2.0	
Ag85A	GLPVEYLQV	48–56	HLA-A*02:01	0.26	0.05492	0.7069	Probable non-allergen	Probable non-allergen	Non-toxin
			HLA-A*02:06	0.42					
	RPGLPVEYL	46–54	HLA-B*07:02	0.06	0.11024	0.5177	Probable non-allergen	Probable non-allergen	Non-toxin
			HLA-C*04:01	0.82					
Ag85B	GLAGGAATA	30–38	HLA-A*02:01	0.52	0.17233	0.6797	Probable non-allergen	Probable non-allergen	Non-toxin
			HLA-A*02:06	0.93					
	AATAGAFSR	35–43	HLA-A*33:03	0.54	0.12394	0.8304	Probable non-allergen	Probable non-allergen	Non-toxin
			HLA-A*31:01	0.57					
GPSLIGLAM		200–208	HLA-A*11:01	0.86					
			HLA-B*14:02	1.5	0.11014	0.6079	Probable non-allergen	Probable non-allergen	Non-toxin
			HLA-C*04:01	1.5					
			HLA-B*18:01	2					
NAAGGHNAV		285–293	HLA-B*07:02	0.04					
			HLA-B*14:02	0.67	0.12765	1.9957	Probable non-allergen	Probable non-allergen	Non-toxin
			HLA-C*04:01	1.6					
			HLA-B*07:02	1.7					
AAGGHNAV		286–294	HLA-A*26:01	1.8					
			HLA-A*68:02	0.2					
			HLA-B*07:02	1.9	0.12765	1.1841	Probable non-allergen	Probable non-allergen	Non-toxin
			HLA-A*29:02	1.9	0.10755	1.2027	Probable non-allergen	Probable non-allergen	Non-toxin
ESAT-6	GSAALGLSM	159–167	HLA-A*02:01	1.9	0.0031	1.2822	Probable non-allergen	Probable non-allergen	Non-toxin
	AMASTEKNV	82–90	HLA-A*02:01	1.9	0.03003	0.7677	Probable non-allergen	Probable non-allergen	Non-toxin
CFP-10	TAAQAQAVR	49–57	HLA-A*33:03	0.37					
			HLA-A*31:01						
	EMKTAATL	3–11	HLA-A*26:01	2	0.08319	1.2820	Probable non-allergen	Probable non-allergen	Non-toxin
			HLA-B*14:02	0.77	0.08319				
DEISTNIRQ	70–78	HLA-B*18:01	0.37	0.051	1.0657	Probable non-allergen	Probable non-allergen	Non-toxin	

CTL, cytotoxic T lymphocyte.