

**Table S1.** Clinical and demographic characteristic of recruited individuals.

	Healthy controls (n=16)	Peach allergic patients to LTP sensitization			<i>p</i> -value
		All (n = 92)	Group A (n = 55)	Group B (n = 37)	
Age (years) <sup>a</sup>	34.25 ± 13.79	33.22 ± 10.22	33.84 ± 10.13	32.26 ± 10.44	N.S.
Female (%)	68.75	68.48	73.36	56.76	N.S.
SPT Peach enriched with Pru p 3 (mm <sup>2</sup> ) <sup>b</sup>	NA	52.0 (35.0- 80.75)	68.0 (36.0-83.25)	45.0 (25.0- 87.5)	N.S.
SPT Peanut (mm <sup>2</sup> ) <sup>b</sup>	NA	40.0 (25.0- 45.0)	0.0 (0.0- 25.0)	27.5 (25.0- 45.0)	†
Total IgE (kU/L) <sup>b</sup>	88.20 (42.70- 150.0)	127.0 (62.0-352.0)	112.0 (58.0- 214.0)	195.5 (61.58- 612.30)	N.S.
Specific IgE (Pru p 3) (kU/L) <sup>b</sup>	0.01 (0.003- 0.13)	6.01 (2.34- 13.2)	4.39 (1.52- 8.70)	8.82 (2.95-26.40)	‡/ § / ¶/ #
Specific IgE (Ara h 9) (kU/L) <sup>b</sup>	0.004 (0.00025-0.085)	2.61 (0.35-20.40)	0.69 (0.35- 1.76)	2.61 (0.35- 20.40)	*/**/**

<sup>a</sup>Mean ± SD; <sup>b</sup>Median (IQR); † *p* < 0.05 (Group A vs. Group B); ‡ *p* < 0.0001 (Controls vs. All); § *p* < 0.0001 (Controls vs. Group A); ¶ *p* < 0.0001 (Controls vs. Group b); # *p* < 0.01 (Group A vs. Group B); \* *p* < 0.01 (Controls vs. All); \*\* *p* < 0.01 (Controls vs. Group A); \*\*\* *p* < 0.01 (Controls vs. Group B). NA, not available; N.S., not significant; SPT, skin prick test. Group A: patients with confirmed peach allergy and tolerance to peanut; Group B: patients with consistent history to peach and peanut allergy.