

Supplementary material

Supplementary Table 1: Summary of clinical and laboratory investigations

	History of allergic reaction	SPT	ImmunoCAP IgE kUA/L	ISAC® IgE kUA/L	% CD 63+ Basophils
Extract investigation					
Cricket	Yes	Positive	NA	-	Positive (78 %)
Mealworm	Yes	Positive	2,43	-	Positive (82 %)
Snail	Yes	Positive	13,00	-	Positive (87 %)
Crab	Yes	Positive	8,79	-	ND
Mussel	Yes	Positive	7,28	-	ND
Shrimp	No	Positive	3,67	-	Negative (2 %)
HDM : DP and DF	No	Negative	< 0,10	-	ND
Molecular investigation ‡					
Pen a 1	-	-	< 0,10	-	ND
Pen m 1, Pen m 2, Pen m 4	-	-	-	< 0,30	ND
Der p 1, Der p 2, Der p 10	-	-	-	< 0,30	ND
Der f 1, Der f 2, Lep d 2	-	-	-	< 0,30	ND
Bla g 1, Bla g 2, Bla g 5, Bla g 7	-	-	-	< 0,30	ND
Ani s 1, Ani s 3	-	-	-	< 0,30	ND

DP: Dermatophagoides pteronyssinus, **DF:** Dermatophagoides farinae; **HDM:** House Dust Mite, **IgE:** Specific Immunoglobulin E, **NA:** Not Available; **ND:** Not Done, **SPT:** Skin Prick Test. ‡ **Der p 10:** HDM tropomyosin; **Bla g 7:** cockroach tropomyosin; **Ani s 3:** anisakis tropomyosin.

Supplementary Table E1: Sensitization profile in ImmunoCAP system for the 2 controls used in Western Blot IgE.

	IgE ImmunoCAP					
	Shrimp	Pen a 1 ‡	Crab	Snail	Mussel	Mealworm
Control 1	39,3	33,3	28	5,15	2,27	6,39
Control 2	27,3	21,7	16,3	6,46	2,46	5,64

IgE: Specific Immunoglobulin E;

‡ **Pen a 1:** shrimp tropomyosin