

SUPPLEMENTARY MATERIAL

Supplementary Tables

Supplementary Table S1. Clinical presentation and sensitization profiles of the patient and the controls.

			Cow's milk slgE					Sheep's milk slgE		Goat's milk slgE
Subj.	Clinical presentation	Total IgE (IU/ml)	Cow milk (kUA/l)	BSA (kUA/l)	α - lactalbumin (kUA/l)	β - lactoglobulin (kUA/l)	Casein (kUA/l)	Sheep's milk (kUA/l)	Sheep whey (kUA/l)	Goat's milk (kUA/l)
#1	Severe anaphylaxis to GSM, no CM allergy	100	0.19	<0.10	0.16	0.11	<0.10	0.76	0.74	0.53
#2	Severe anaphylaxis to CM and GSM	161	0.73	<0.10	<0.10	<0.10	1.47	27.7	ND	39.6
#3	CM allergy, GSM allergy not reported	302	7.1	<0.10	2.8	4.07	1.78	2.18	ND	1.37
#4	No milk allergy, but sensitization to BSA	124	0.83	1.74	<0.10	<0.10	<0.10	<0.10	ND	<0.10

Supplementary Table S2. Literature Review: Adult patients (>18 years) with isolated GSM allergy.

Age, Sex	Allergen	Tolerated	SPT	IgE (or RAST)	WB using GM and/or SM	Reaction	Atopy	Ref
39, m	GC, SC	CM	GM+, GC+, SM+, SC+, CM-, CC-	GM+, SM+	κ -casein (18kD) whey protein	U, A, H	ARC	*
27, f	GC	CM, CC, SC	GM+, GC+, CM-	GM-, CM-	α -Lactalbumin (14kD)	U	AA, ARC	[1]
25, m	GC, SC	CC	CM-, GM+	GC+ SC +	n/a #	U, A, R	no	[2]
43, m	SM, SC	CM	SM+, SC+, GM+, CM-	SM+, GM+, CM-	α - or β -casein (25kD)	G, R, H	no	[3]
55, f	GC	n/a	n/a	GM+	β - or γ -casein (20-28kD)	U, A, R	AD, AA	[4]
25, f	SC	CM, CC	SM+, SC+, GM+, CM-	SM+, CM-	α -S2 casein	A, G	AA, AD	[5]

*= this report. A= angioedema; AA= allergic asthma; AD= atopic dermatitis; ARC= allergic rhino-conjunctivitis; CC= cow cheese; CM= cow milk; f= female; G= gastrointestinal; GC= goat cheese; GM= goat milk; H= hypotension; m= male; n/a= not available/reported; neg.= negative; R= respiratory; SC= sheep cheese; SM= sheep milk; U= urticaria; WB= Western Blot/Immunoblot. #= goat and sheep casein positive in RAST