Diagnostic Solutions laboratory
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IgE ALLERGY EXPLORER

PATIENT ID

PATIENT NAME
Ima T Sample

DATE OF BIRTH

SAMPLE ID
Sample Report

BARCODE

TESTED ALLERGENS
295

TEST METHOD
ALEX^2

APPROVED ON

REFERRING PHYSICIAN

ADDITIONAL INFORMATION
The internal QC (Plausibility check for GD) was within acceptance range.

Lab report: Summary on detectable sensitizations

POLLEN
- Grass Pollen
- Tree Pollen
- Weed Pollen

MITES
- House Dust Mites & Storage Mites

PLANT-BASED FOOD
- Legumes
- Grains
- Spices
- Fruits
- Vegetables
- Nuts & Seeds

INSECTS & VENOMS
- Ant, Bee, Wasp
- Cockroach

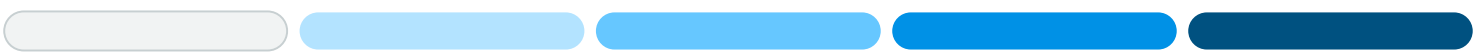
MICROORGANISMS
- Fungal Spores & Yeast

ANIMAL-DERIVED FOOD
- Milk
- Egg
- Fish & Seafood
- Meat

EPITHELIAL TISSUES OF ANIMALS
- Pets
- Farm Animals

OTHERS
- Latex
- Ficus
- CCD
- Parasite

Highest measured IgE concentration per allergen group



The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
POLLEN				
Grass Pollen				
Bermuda grass		Cyn d		3.13
		Cyn d 1	Beta-Expansin	7.41
Perennial Ryegrass		Lol p 1	Beta-Expansin	12.79
Bahia grass		Pas n		≤ 0.10
Timothy grass		Phl p 1	Beta-Expansin	19.44
		Phl p 2	Expansin	10.58
		Phl p 5.0101	Grass Group 5/6	37.82
		Phl p 6	Grass Group 5/6	4.39
		Phl p 7	Polcalcin	≤ 0.10
		Phl p 12	Profilin	≤ 0.10
Common reed		Phr c		≤ 0.10
Cultivated rye, Pollen		Sec c_pollen		0.68
Tree Pollen				
Acacia		Aca m		≤ 0.10
Tree of Heaven		Ail a		≤ 0.10
Alder		Aln g 1	PR-10	≤ 0.10
		Aln g 4	Polcalcin	≤ 0.10
Silver birch		Bet v 1	PR-10	0.28
		Bet v 2	Profilin	≤ 0.10
		Bet v 6	Isoflavon Reductase	≤ 0.10
Paper mulberry		Bro pa		≤ 0.10
Hazel pollen		Cor a_pollen		≤ 0.10
		Cor a 1.0103	PR-10	≤ 0.10
Sugi		Cry j 1	Pectate Lyase	≤ 0.10
Cypress		Cup a 1	Pectate Lyase	≤ 0.10
		Cup s		≤ 0.10
Beech		Fag s 1	PR-10	≤ 0.10
Ash		Fra e		≤ 0.10
		Fra e 1	Ole e 1-Family	≤ 0.10
Walnut pollen		Jug r_pollen		≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or in question

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU$_A$/L
Mountain cedar		Jun a		≤ 0.10
Mulberry		Mor r		≤ 0.10
Olive		Ole e 1	Ole e 1-Family	≤ 0.10
		Ole e 9	1,3 β Glucanase	≤ 0.10
Date palm		Pho d 2	Profilin	≤ 0.10
London plane tree		Pla a 1	Plant Invertase	≤ 0.10
		Pla a 2	Polygalacturonase	≤ 0.10
		Pla a 3	nsLTP	≤ 0.10
Cottonwood		Pop n		≤ 0.10
Ulme		Ulm c		≤ 0.10

Weed Pollen

Common Pigweed		Ama r		≤ 0.10
Ragweed		Amb a		≤ 0.10
		Amb a 1	Pectate Lyase	0.23
		Amb a 4	Plant Defensin	≤ 0.10
Mugwort		Art v		≤ 0.10
		Art v 1	Plant Defensin	≤ 0.10
		Art v 3	nsLTP	≤ 0.10
Hemp		Can s		≤ 0.10
		Can s 3	nsLTP	≤ 0.10
Lamb's quarter		Che a		≤ 0.10
		Che a 1	Ole e 1-Family	≤ 0.10
Annual mercury		Mer a 1	Profilin	≤ 0.10
Wall pellitory		Par j		≤ 0.10
		Par j 2	nsLTP	≤ 0.10
Ribwort		Pla l		≤ 0.10
		Pla l 1	Ole e 1-Family	≤ 0.10
Russian thistle		Sal k		≤ 0.10
		Sal k 1	Pectin Methylesterase	≤ 0.10
Nettle		Urt d		≤ 0.10

Name	E/M	Allergen	Protein Family	kU_A/L
MITES				
House Dust Mite				
American house dust mite		Der f 1	Cysteine protease	0.58
		Der f 2	NPC2 Family	1.24
European house dust mite		Der p 1	Cysteine protease	1.11
		Der p 2	NPC2 Family	1.08
		Der p 5	unknown	≤ 0.10
		Der p 7	Mites, Group 7	≤ 0.10
		Der p 10	Tropomyosin	≤ 0.10
		Der p 11	Myosin, heavy chain	≤ 0.10
		Der p 20	Arginine kinase	≤ 0.10
		Der p 21	unknown	≤ 0.10
		Der p 23	Peritrophin-like protein domain	0.65
Storage Mite				
Acarus siro		Aca s		≤ 0.10
Blomia tropicalis		Blo t 5	Mites, Group 5	≤ 0.10
		Blo t 10	Tropomyosin	≤ 0.10
		Blo t 21	unknown	≤ 0.10
Glycyphagus domesticus		Gly d 2	NPC2 Family	≤ 0.10
Lepidoglyphus destructor		Lep d 2	NPC2 Family	≤ 0.10
Tyrophagus putrescentiae		Tyr p		≤ 0.10
		Tyr p 2	NPC2 Family	≤ 0.10
MICROORGANISMS & SPORES				
Yeast				
Malassezia sympodialis		Mala s 5	unknown	≤ 0.10
		Mala s 6	Cyclophilin	≤ 0.10
		Mala s 11	Mn Superoxid-Dismutase	≤ 0.10
Yeast		Sac c		≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or in question

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Moulds				
Alternaria alternata	M	Alt a 1	Alt a 1-Family	≤ 0.10
	M	Alt a 6	Enolase	≤ 0.10
Aspergillus fumigatus	M	Asp f 1	Mitogillin Family	≤ 0.10
	M	Asp f 3	Peroxysomal Protein	≤ 0.10
	M	Asp f 4	unknown	≤ 0.10
	M	Asp f 6	Mn Superoxid-Dismutase	≤ 0.10
Cladosporium herbarum	E	Cla h		≤ 0.10
	M	Cla h 8	Short Chain Dehydrogenase	≤ 0.10
Penicilium chrysogenum	E	Pen ch		≤ 0.10
PLANT FOOD				
Legumes				
Peanut	M	Ara h 1	7/8S Globulin	≤ 0.10
	M	Ara h 2	2S Albumin	≤ 0.10
	M	Ara h 3	11S Globulin	≤ 0.10
	M	Ara h 6	2S Albumin	≤ 0.10
	M	Ara h 8	PR-10	≤ 0.10
	M	Ara h 9	nsLTP	≤ 0.10
	M	Ara h 15	Oleosin	0.17
Chickpea	E	Cic a		≤ 0.10
Soy	M	Gly m 4	PR-10	≤ 0.10
	M	Gly m 5	7/8S Globulin	≤ 0.10
	M	Gly m 6	11S Globulin	≤ 0.10
	M	Gly m 8	2S Albumin	≤ 0.10
Lentil	E	Len c		≤ 0.10
White bean	E	Pha v		≤ 0.10
Pea	E	Pis s		≤ 0.10
Cereals				
Oat	E	Ave s		≤ 0.10
Quinoa	E	Che q		≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or in question

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Name	E/M	Allergen	Protein Family	kU$_A$/L
Common buckwheat		Fag e		≤ 0.10
		Fag e 2	2S Albumin	≤ 0.10
Barley		Hor v		≤ 0.10
Lupine seed		Lup a		≤ 0.10
Rice		Ory s		≤ 0.10
Millet		Pan m		≤ 0.10
Cultivated rye		Sec c_flour		≤ 0.10
Wheat		Tri a aA_TI	Alpha-Amylase Trypsin-Inhibitor	≤ 0.10
		Tri a 14	nsLTP	≤ 0.10
		Tri a 19	Omega-5-Gliadin	≤ 0.10
Spelt		Tri s		≤ 0.10
Maize		Zea m		≤ 0.10
		Zea m 14	nsLTP	≤ 0.10

Spices

Paprika		Cap a		≤ 0.10
Caraway		Car c		≤ 0.10
Oregano		Ori v		≤ 0.10
Parsley		Pet c		≤ 0.10
Anise		Pim a		≤ 0.10
Mustard		Sin		≤ 0.10
		Sin a 1	2S Albumin	≤ 0.10

Fruit

Kiwi		Act d 1	Cysteine protease	≤ 0.10
		Act d 2	TLP	≤ 0.10
		Act d 5	Kiwellin	≤ 0.10
		Act d 10	nsLTP	≤ 0.10
Papaya		Car p		≤ 0.10
Orange		Cit s		≤ 0.10
Melon		Cuc m 2	Profilin	≤ 0.10
Fig		Fic c		≤ 0.10
Strawberry		Fra a 1+3	PR-10+LTP	≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or in question

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Apple		Mal d 1	PR-10	≤ 0.10
		Mal d 2	TLP	≤ 0.10
		Mal d 3	nsLTP	≤ 0.10
Mango		Man i		≤ 0.10
Banana		Mus a		≤ 0.10
Avocado		Pers a		≤ 0.10
Cherry		Pru av		≤ 0.10
Peach		Pru p 3	nsLTP	≤ 0.10
Pear		Pyr c		≤ 0.10
Blueberry		Vac m		≤ 0.10
Grapes		Vit v 1	nsLTP	≤ 0.10

Vegetables

Onion		All c		≤ 0.10
Garlic		All s		≤ 0.10
Celery		Api g 1	PR-10	≤ 0.10
		Api g 2	nsLTP	≤ 0.10
		Api g 6	nsLTP	≤ 0.10
Carrot		Dau c		≤ 0.10
		Dau c 1	PR-10	≤ 0.10
Potato		Sol t		≤ 0.10
Tomato		Sola l		≤ 0.10
		Sola l 6	nsLTP	≤ 0.10

Nuts

Cashew		Ana o		≤ 0.10
		Ana o 2	11S Globulin	≤ 0.10
		Ana o 3	2S Albumin	≤ 0.10
Brazil nut		Ber e		≤ 0.10
		Ber e 1	2S Albumin	≤ 0.10
Pecan		Car i		≤ 0.10
Hazelnut		Cor a 1.0401	PR-10	≤ 0.10
		Cor a 8	nsLTP	≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or in question

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU$_A$/L
	◉	Cor a 9	11S Globulin	≤ 0.10
	◉	Cor a 11	7/8S Globulin	≤ 0.10
	◉	Cor a 14	2S Albumin	≤ 0.10
Walnut	◉	Jug r 1	2S Albumin	≤ 0.10
	◉	Jug r 2	7/8S Globulin	≤ 0.10
	◉	Jug r 3	nsLTP	≤ 0.10
	◉	Jug r 4	11S Globulin	≤ 0.10
	◉	Jug r 6	7/8S Globulin	≤ 0.10
Macadamia	◉	Mac i 2S Albumin	2S Albumin	≤ 0.10
	⁘	Mac inte		≤ 0.10
Pistachio	◉	Pis v 1	2S Albumin	≤ 0.10
	◉	Pis v 2	11S Globulin subunit	≤ 0.10
	◉	Pis v 3	7/8S Globulin	≤ 0.10
Almond	⁘	Pru du		≤ 0.10

Seed

Pumpkin seed	⁘	Cuc p		≤ 0.10
Sunflower seed	⁘	Hel a		≤ 0.10
Poppy seed	⁘	Pap s		≤ 0.10
	◉	Pap s 2S Albumin	2S Albumin	≤ 0.10
Sesame	⁘	Ses i		≤ 0.10
	◉	Ses i 1	2S Albumin	≤ 0.10
Fenugreek seeds	⁘	Tri fo		≤ 0.10

ANIMAL FOOD

Milk

Cow, milk	⁘	Bos d_milk		≤ 0.10
	◉	Bos d 4	α-Lactalbumin	≤ 0.10
	◉	Bos d 5	β-Lactoglobulin	≤ 0.10
	◉	Bos d 8	Casein	≤ 0.10
Camel	⁘	Cam d		≤ 0.10
Goat, milk	⁘	Cap h_milk		≤ 0.10
Mare's milk	⁘	Equ c_milk		≤ 0.10

⁘ Allergen Extract ◉ Molecular Allergen IgE < 0.3 negative or in question

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Sheep, milk		Ovi a_milk		≤ 0.10

Egg

Egg white		Gal d_white		≤ 0.10
Egg yolk		Gal d_yolk		≤ 0.10
Egg white		Gal d 1	Ovomucoid	≤ 0.10
		Gal d 2	Ovalbumin	≤ 0.10
		Gal d 3	Ovotransferrin	≤ 0.10
		Gal d 4	Lysozym C	≤ 0.10
Egg yolk		Gal d 5	Serum Albumin	≤ 0.10

Seafood

Herring worm		Ani s 1	Kunitz Serin Protease Inhibitor	≤ 0.10
		Ani s 3	Tropomyosin	≤ 0.10
Crab		Chi spp.		≤ 0.10
Herring		Clu h		≤ 0.10
		Clu h 1	β-Parvalbumin	≤ 0.10
Brown shrimp		Cra c 6	Troponin C	≤ 0.10
Carp		Cyp c 1	β-Parvalbumin	≤ 0.10
Atlantic cod		Gad m		≤ 0.10
		Gad m 2+3	β-Enolase & Aldolase	≤ 0.10
		Gad m 1	β-Parvalbumin	≤ 0.10
Lobster		Hom g		≤ 0.10
Shrimp		Lit s		≤ 0.10
Squid		Lol spp.		≤ 0.10
Common mussel		Myt e		≤ 0.10
Oyster		Ost e		≤ 0.10
Shrimp		Pan b		≤ 0.10
Scallop		Pec spp.		≤ 0.10
Black Tiger Shrimp		Pen m 1	Tropomyosin	≤ 0.10
		Pen m 2	Arginine kinase	≤ 0.10
		Pen m 3	Myosin, light chain	≤ 0.10
		Pen m 4	Sarcoplasmic Calcium Binding Protein	≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or in question

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU$_A$/L
Thornback ray		Raj c		≤ 0.10
		Raj c Parvalbumin	α-Parvalbumin	≤ 0.10
Clam		Rud spp.		≤ 0.10
Salmon		Sal s		≤ 0.10
		Sal s 1	β-Parvalbumin	≤ 0.10
Atlantic mackerel		Sco s		≤ 0.10
		Sco s 1	β-Parvalbumin	≤ 0.10
Tuna		Thu a		≤ 0.10
		Thu a 1	β-Parvalbumin	≤ 0.10
Swordfish		Xip g 1	β-Parvalbumin	≤ 0.10

Meat

House cricket		Ach d		≤ 0.10
Cattle, meat		Bos d_meat		≤ 0.10
		Bos d 6	Serum Albumin	≤ 0.10
Horse, meat		Equ c_meat		≤ 0.10
Chicken meat		Gal d_meat		≤ 0.10
Migratory locust		Loc m		≤ 0.10
Turkey		Mel g		≤ 0.10
Rabbit, meat		Ory_meat		≤ 0.10
Sheep, meat		Ovi a_meat		≤ 0.10
Pork		Sus d_meat		≤ 0.10
		Sus d 1	Serum Albumin	≤ 0.10
Mealworm		Ten m		0.26

INSECTS & VENOMS

Fire ant poison

Fire ant		Sol spp.		≤ 0.10

Honey Bee Venom

Honey bee		Api m		≤ 0.10
		Api m 1	Phospholipase A2	≤ 0.10
		Api m 10	Icarapin Variant 2	≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or in question

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Wasp Venom				
Hornet	E	Dol spp		≤ 0.10
Paper wasp venom	E	Pol d		≤ 0.10
	M	Pol d 5	Antigen 5	≤ 0.10
Wasp venom	E	Ves v		≤ 0.10
	M	Ves v 1	Phospholipase A1	≤ 0.10
	M	Ves v 5	Antigen 5	0.81
Cockroach				
German Cockroach	M	Bla g 1	Cockroach Group 1	≤ 0.10
	M	Bla g 2	Aspartyl protease	≤ 0.10
	M	Bla g 4	Lipocalin	≤ 0.10
	M	Bla g 5	Glutathione S-transferase	≤ 0.10
	M	Bla g 9	Arginine kinase	≤ 0.10
American Cockroach	E	Per a		≤ 0.10
	M	Per a 7	Tropomyosin	≤ 0.10
ANIMAL ORIGIN				
Pet				
Dog	M	Can f_Fd1	Uteroglobin	≤ 0.10
Male dog urine (incl. Can f 5)	E	Can f_male urine		≤ 0.10
Dog	M	Can f 1	Lipocalin	≤ 0.10
	M	Can f 2	Lipocalin	≤ 0.10
	M	Can f 3	Serum Albumin	≤ 0.10
	M	Can f 4	Lipocalin	≤ 0.10
	M	Can f 6	Lipocalin	≤ 0.10
Guinea pig	M	Cav p 1	Lipocalin	≤ 0.10
Cat	M	Fel d 1	Uteroglobin	0.65
	M	Fel d 2	Serum Albumin	≤ 0.10
	M	Fel d 4	Lipocalin	≤ 0.10
	M	Fel d 7	Lipocalin	≤ 0.10
House mouse	M	Mus m 1	Lipocalin	≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or in question

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU$_A$/L
Rabbit, epithel		Ory c 1	Lipocalin	≤ 0.10
		Ory c 2	Lipophilin	≤ 0.10
		Ory c 3	Uteroglobin	≤ 0.10
Djungarian hamster		Phod s 1	Lipocalin	≤ 0.10
Rat		Rat n		≤ 0.10

Farm Animals

Cattle		Bos d 2	Lipocalin	≤ 0.10
Goat, epithel		Cap h_epithelia		≤ 0.10
Horse, epithel		Equ c 1	Lipocalin	≤ 0.10
		Equ c 3	Serum Albumin	≤ 0.10
		Equ c 4	Latherin	≤ 0.10
Sheep, epithel		Ovi a_epithelia		≤ 0.10
Pig		Sus d_epithelia		≤ 0.10

OTHERS

Latex

Latex		Hev b 1	Rubber elongation factor	≤ 0.10
		Hev b 3	Small rubber particle protein	≤ 0.10
		Hev b 5	unknown	≤ 0.10
		Hev b 6.02	Pro-Hevein	≤ 0.10
		Hev b 8	Profilin	≤ 0.10
		Hev b 11	Class 1 Chitinase	≤ 0.10

Ficus

Weeping fig		Fic b		≤ 0.10

Ccd

Hom s Lactoferrin		Hom s LF	CCD	≤ 0.10

Parasite

Pigeon tick		Arg r 1	Lipocalin	≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or in question

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Total IgE: 56 kU/L

Normal Total-IgE

Adults: < 20 kU/L Allergy unlikely, 20 - 100 kU/L Allergy possible, > 100 kU/L Allergy likely

Number of tested allergen sources: 165

GRASS POLLEN 6
Bahia grass, Bermuda grass, Common reed, Perennial ryegrass, Rye, Timothy grass

TREE POLLEN 19
Acacia, Alder, Arizona Cypress, European Ash, Beech, Cottonwood, Date palm, Elm, Hazel, London Plane Tree, Mediterranean Cypress, Mountain cedar, Mulberry, Olive, Paper mulberry, Silver birch, Sugi, Tree of Heaven, Walnut

WEED POLLEN 10
Annual mercury, Hemp, Lamb's quarter, Mugwort, Nettle, Pigweed, Ragweed, Ribwort, Russian thistle, Wall pellitory

HOUSE DUST MITES & STORAGE MITES 7
Acarus siro, American house dust mite, Blomia tropicalis, European house dust mite, Glycyphagus domesticus, Lepidoglyphus destructor, Tyrophagus putrescentiae

LEGUMES 6
Chickpea, White bean, Lentil, Pea, Peanut, Soy

GRAINS 11
Barley, Buckwheat, Corn, Cultivated rye, Lupine, Millet, Oat, Quinoa, Rice, Spelt, Wheat

SPICES 6
Anise, Caraway, Mustard, Oregano, Paprika, Parsley

FRUITS 15
Avocado, Apple, Banana, Blueberry, Cherry, Fig, Grape, Kiwi, Mango, Muskmelon, Orange, Papaya, Peach, Pear, Strawberry

VEGETABLES 6
Carrot, Celery, Garlic, Onion, Potato, Tomato

NUTS & SEEDS 13
Almond, Brazil nut, Cashew, Hazelnut, Macadamia, Pecan, Pistachio, Walnut, Fenugreek seeds, Poppy seed, Pumpkin seed, Sesame, Sunflower seed

COCKROACH 2
American cockroach, German cockroach

INSECT VENOMS 5
Common wasp venom, Fire ant venom, Honeybee venom, Long-headed wasp venom, Paper wasp venom

FUNGAL SPORES & YEAST 6
Alternaria alternata, Aspergillus fumigatus, Baker's yeast, Cladosporium herbarum, Malassezia sympodialis, Penicilium chrysogenum

MILK 5
Camel's milk, Cow's milk, Goat's milk, Mare's milk, Sheep's milk

EGG 2
Egg white, Egg yolk

FISH & SEAFOOD 20
Anisakis simplex, Atlantic cod, Atlantic herring, Atlantic mackerel, Black-Tiger shrimp, Brown shrimp, Carp, Common mussel, Crab, Lobster, Northern prawn, Oyster, Salmon, Scallop, Shrimp mix, Squid, Swordfish, Thornback ray, Tuna, Venus clam

MEAT 10
Beef, Chicken, Horse, House cricket, Lamb, Mealworm, Migratory locust, Pig, Rabbit, Turkey

PETS 7
Cat, Djungarian hamster, Dog, Guinea pig, Mouse, Rabbit, Rat

FARM ANIMALS 5
Cattle, Goat, Horse, Pig, Sheep

OTHERS 4
Latex, Hom s lactoferrin, Pigeon tick, Weeping fig

RAVEN®
INTERPRETATION GUIDANCE SOFTWARE

Interpretation - Support

Raven Interpretation Summary

Sample Information

The sample was tested on ALL Barcode [ ], interpretation date [ ].

Of the tested 295 allergens, 15 were/was above the cut off of 0.3 kU$_A$/L. A sensitization can be an indicator of an IgE dependent allergy.
For all positive ALL Allergy Test allergens, comments for interpretation guidance are listed below.

Total IgE: 56 kU/L

The measured total IgE was 56 kU/L. With a total IgE titre of below 100 kU/L, allergy is possible but unlikely.

Cross-Reactive allergen sensitization detected

Sensitizations against molecular allergens which are markers of (broad) cross-reactivity between different allergen sources were detected.

Detected cross-reactive allergen sensitizations:

- Cysteine Proteases: Der f 1, Der p 1

Cysteine Proteases

Members of the Cysteine Protease (CP) allergen family can cause inhalative symptoms, as well as mild to severe forms of food allergy. CP allergens can be found in several fruits (e.g., kiwi, papaya, fig, pineapple), mites and in ragweed pollen. Associated allergic symptoms include hay fever (allergic rhinoconjunctivitis) and/or allergic asthma. CP food allergens can cause severe reactions and are resistant to heat and digestion.

Grass pollen

You have a sensitization to grass pollen.

Associated allergic reactions range from hay fever (allergic rhinoconjunctivitis) to allergic asthma.

Cyn d 1, Lol p 1 and Phl p 1 are members fo the β-Expansin allergen family. The potential for cross-reactions between members of this allergen family is very high. Allergen-specific immunotherapy (AIT) for β-Expansins is possible, if corresponding clinical symptoms are present. Positive results were obtained for: Cyn d 1, Lol p 1, Phl p 1.

Phl p 2 is a member of the Expansin allergen family.

The potential for cross-reactions between allergens of this family is very high.

Along with Phl p 1 and 5, Phl p 2 serves as a marker of true grass-pollen sensitization. Patients with isolated sensitization to Phl p 2 are not suitable candidates for allergen-specific immunotherapy (AIT).

Phl p 5 is a member of the Grass Group 5/6 allergen family.

The potential for cross-reactions between allergens of this family is high, although not in all grass pollen species.

Along with Phl p 1 and Phl p 2, Phl p 5 serves as marker of true grass-pollen sensitization.

Allergen-specific immunotherapy (AIT) is possible for sensitization to Phl p 1 and 5, if corresponding clinical symptoms occur.

Phl p 6 is a member of the Grass Group 5/6 allergen family.

The potential for cross-reactions between allergens of this family is high.

Treatment for symptoms includes anti-histamines as well as corticosteroid tablets and sprays. Causal treatmet is possible for sensitizations to Phl p 1 and 5 via allergy-specific immunotherapy (AIT) is possible, if corresponding clinical symptoms occur.

Furry Animals

Cat

You have a sensitization to cat.

Associated allergic symptoms range from hay fever (allergic rhinoconjunctivitis) to allergic asthma.

Fel d 1 is a member of the Uteroglobin (UG) allergen family and a marker for genuine cat allergy.

The potential for cross-reactions between Fel d 1 and other allergens of the UG family is low to moderate.

Allergen-specific immunotherapy (AIT) is possible, if corresponding clinical symptoms occur.

Avoidance of cats is strongly recommended. If cats cannot be avoided, allergen-specific immunotherapy can be prescribed. Treatment for symptoms includes anti-histamines as well as corticosteroid tablets and sprays.

Mites and Cockroaches

House dust mites

You have a sensitization to house dust mites.

Associated allergic symptoms range from hay fever (allergic rhinoconjunctivitis) to asthma.

Der p 1 & Der f 1 are members of the Cystein Protease allergen family (CP). The potential for cross-reactions between different members of the CP family in different house dust mites is high. Allergen-specific immunotherapy is possible for sensitizations to major allergens Der p 1 and Der f 1, if corresponding clinical symptoms occur. Positive results were obtained for: Der f 1, Der p 1.

Der p 2 & Der f 2 are members of the NPC2 allergen family. The potential for cross-reactions between different members of the NPC2 is very high in different house dust mites, and less so to related allergens in storage mites. Allergen-specific immunotherapy is possible for sensitizations to major allergens Der p 2 and Der f 2, if corresponding clinical symptoms occur. Positive results were obtained for: Der f 2, Der p 2.

Der p 23 is a member of the Peritrophin-like Protein allergen family (PLP), which is associated with the development of asthma.

The potential for cross-reactions to other allergens of the PLP family is not clear.

Avoidance of house dust mites is advised. Dust mite proof encasings for blankets, mattresses, and pillows can reduce the allergen load. Treatment for symptoms includes anti-histamines as well as corticosteroid tablets and sprays. Allergen-specific immunotherapy is possible for sensitizations to major allergens Der f 1/Der p 1 and Der f 2/Der p 2, if corresponding clinical symptoms occur.

Insect Venoms

Wasp

You have a sensitization to wasp venom.

Associated allergic symptoms range from local to severe anaphylactic reactions.

Ves v 5 is a member of the Antigen 5 allergen family.

The potential for cross-reactions between Ves v 5 and other allergens of the Antigen 5 family is high to other vespula (common wasp) species and lower to dolichovespula (yellow jackets) and vespa (hornets) species.

Allergen-specific immunotherapy for Ves v 5 sensitization is possible, if corresponding clinical symptoms occur.

As avoidance of wasps is difficult, allergen-specific immunotherapy (AIT) is the major therapy option in wasp venom allergy. Additionally, emergency kits including adrenaline autoinjectors (EpiPen) are prescribed. Please consult your allergy specialist for further information and therapy options.

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