


PATIENT ID:

 2589286

PATIENT NAME:

 FILIMON DRAGOS ALEXANDRU

DATE OF BIRTH:

 11/08/2017

SAMPLE ID:

 092

QR-CODE:

 02AUU092

ANALYZED ON:

 17/11/2022

TESTED ALLERGENS:

 295

TEST METHOD:

 ALEX²

REFERRING PHYSICIAN:

ADDITIONAL INFORMATION:

Attention, CCD elevated!

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

Lab report: Summary on detectable sensitisations

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

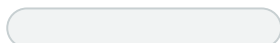
< 0.3 kU_A/L

0.3 - 1 kU_A/L

1 - 5 kU_A/L

5 - 15 kU_A/L

> 15 kU_A/L



Negative or uncertain

Low IgE level

Moderate IgE level

























High IgE level

Very high IgE level









































Name	E/M	Allergen	Function	kU _A /L
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POLLEN

Grass Pollen

Bermuda grass		Cyn d		≤ 0.10 
		Cyn d 1	Beta-Expansin	≤ 0.10 
Perennial Ryegrass		Lol p 1	Beta-Expansin	≤ 0.10 
Bahia grass		Pas n		0.16 
Timothy grass		Phl p 1	Beta-Expansin	≤ 0.10 
		Phl p 2	Expansin	≤ 0.10 
		Phl p 5.0101	Grass Group 5/6	≤ 0.10 
		Phl p 6	Grass Group 5/6	≤ 0.10 
		Phl p 7	Polcalcin	≤ 0.10 
		Phl p 12	Profilin	≤ 0.10 
Common reed		Phr c		≤ 0.10 
Cultivated rye, Pollen		Sec c_pollen		≤ 0.10 

Tree Pollen

Acacia		Aca m		≤ 0.10 
Tree of Heaven		Ail a		≤ 0.10 
Alder		Aln g 1	PR-10	0.17 
		Aln g 4	Polcalcin	≤ 0.10 
Silver birch		Bet v 1	PR-10	≤ 0.10 
		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 
Mountain cedar		Jun a		≤ 0.10 
Mulberry		Mor r		≤ 0.10 
Olive		Ole e 1	Ole e 1-Family	≤ 0.10 

Name	E/M	Allergen	Function	kU _A /L
	○	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
Elm	●●●●	Ulm c		≤ 0.10

Weed Pollen

Common Pigweed	●●●●	Ama r		≤ 0.10
Ragweed	●●●●	Amb a		0.27
	○	Amb a 1	Pectate Lyase	0.24
	○	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

MITES

House Dust Mite

American house dust mite	○	Der f 1	Cysteine protease	32.40
	○	Der f 2	NPC2 Family	47.27
European house dust mite	○	Der p 1	Cysteine protease	7.41
	○	Der p 2	NPC2 Family	47.13
	○	Der p 5	unknown	≤ 0.10

Name	E/M	Allergen	Function	kU _A /L
	⊙	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	0.20

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	0.57
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

Moulds

Alternaria alternata	⊙	Alt a 1	Alt a 1-Family	≤ 0.10
	⊙	Alt a 6	Enolase	≤ 0.10
Aspergillus fumigatus	⊙	Asp f 1	Mitogillin Family	≤ 0.10
	⊙	Asp f 3	Peroxisomal Protein	≤ 0.10
	⊙	Asp f 4	unknown	≤ 0.10
	⊙	Asp f 6	Mn Superoxid-Dismutase	≤ 0.10
Cladosporium herbarum	⊙	Cla h		≤ 0.10
	⊙	Cla h 8	Short Chain Dehydrogenase	≤ 0.10
Penicillium chrysogenum	⊙	Pen ch		≤ 0.10

Name	E/M	Allergen	Function	kU _A /L
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PLANT FOOD

Legumes

Peanut	⊙	Ara h 1	7/8S Globulin	≤ 0.10	
	⊙	Ara h 2	2S Albumin	≤ 0.10	
	⊙	Ara h 3	11S Globulin	≤ 0.10	
	⊙	Ara h 6	2S Albumin	≤ 0.10	
	⊙	Ara h 8	PR-10	≤ 0.10	
	⊙	Ara h 9	nsLTP	≤ 0.10	
	⊙	Ara h 15	Oleosin	≤ 0.10	
Chickpea	⊙	Cic a		≤ 0.10	
Soy	⊙	Gly m 4	PR-10	≤ 0.10	
	⊙	Gly m 5	7/8S Globulin	≤ 0.10	
	⊙	Gly m 6	11S Globulin	≤ 0.10	
	⊙	Gly m 8	2S Albumin	≤ 0.10	
Lentil	⊙	Len c		≤ 0.10	
White bean	⊙	Pha v		≤ 0.10	
Pea	⊙	Pis s		≤ 0.10	

Cereals

Oat	⊙	Ave s		≤ 0.10	
Quinoa	⊙	Che q		≤ 0.10	
Common buckwheat	⊙	Fag e		0.13	
	⊙	Fag e 2	2S Albumin	≤ 0.10	
Barley	⊙	Hor v		≤ 0.10	
Lupine seed	⊙	Lup a		0.14	
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	

Name	E/M	Allergen	Function	kU _A /L
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
Fruits				
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		0.13
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
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		0.16
Celery	○	Api g 1	PR-10	≤ 0.10

Name	E/M	Allergen	Function	kU _A /L
	<input checked="" type="radio"/>	Api g 2	nsLTP	≤ 0.10
	<input checked="" type="radio"/>	Api g 6	nsLTP	≤ 0.10
Carrot	<input checked="" type="radio"/>	Dau c		≤ 0.10
	<input checked="" type="radio"/>	Dau c 1	PR-10	≤ 0.10
Potato	<input checked="" type="radio"/>	Sol t		≤ 0.10
Tomato	<input checked="" type="radio"/>	Sola l		≤ 0.10
	<input checked="" type="radio"/>	Sola l 6	nsLTP	≤ 0.10

Nuts

Cashew	<input checked="" type="radio"/>	Ana o		0.20
	<input checked="" type="radio"/>	Ana o 2	11S Globulin	0.14
	<input checked="" type="radio"/>	Ana o 3	2S Albumin	≤ 0.10
Brazil nut	<input checked="" type="radio"/>	Ber e		≤ 0.10
	<input checked="" type="radio"/>	Ber e 1	2S Albumin	≤ 0.10
Pecan	<input checked="" type="radio"/>	Car i		≤ 0.10
Hazelnut	<input checked="" type="radio"/>	Cor a 1.0401	PR-10	≤ 0.10
	<input checked="" type="radio"/>	Cor a 8	nsLTP	≤ 0.10
	<input checked="" type="radio"/>	Cor a 9	11S Globulin	≤ 0.10
	<input checked="" type="radio"/>	Cor a 11	7/8S Globulin	≤ 0.10
	<input checked="" type="radio"/>	Cor a 14	2S Albumin	≤ 0.10
Walnut	<input checked="" type="radio"/>	Jug r 1	2S Albumin	≤ 0.10
	<input checked="" type="radio"/>	Jug r 2	7/8S Globulin	≤ 0.10
	<input checked="" type="radio"/>	Jug r 3	nsLTP	≤ 0.10
	<input checked="" type="radio"/>	Jug r 4	11S Globulin	≤ 0.10
	<input checked="" type="radio"/>	Jug r 6	7/8S Globulin	≤ 0.10
Macadamia	<input checked="" type="radio"/>	Mac i 2S Albumin	2S Albumin	≤ 0.10
	<input checked="" type="radio"/>	Mac inte		≤ 0.10
Pistachio	<input checked="" type="radio"/>	Pis v 1	2S Albumin	≤ 0.10
	<input checked="" type="radio"/>	Pis v 2	11S Globulin subunit	≤ 0.10
	<input checked="" type="radio"/>	Pis v 3	7/8S Globulin	≤ 0.10
Almond	<input checked="" type="radio"/>	Pru du		≤ 0.10

Seed

Pumpkin seed	<input checked="" type="radio"/>	Cuc p		≤ 0.10
Sunflower seed	<input checked="" type="radio"/>	Hel a		≤ 0.10
Poppy seed	<input checked="" type="radio"/>	Pap s		≤ 0.10

Name	E/M	Allergen	Function	kU _A /L
Sesame	<input checked="" type="radio"/>	Pap s 2S Albumin	2S Albumin	≤ 0.10
	<input type="radio"/>	Ses i		≤ 0.10
Fenugreek seeds	<input checked="" type="radio"/>	Ses i 1	2S Albumin	≤ 0.10
	<input type="radio"/>	Tri fo		≤ 0.10

ANIMAL FOOD

Milk

Cow, milk	<input type="radio"/>	Bos d_milk		≤ 0.10
	<input checked="" type="radio"/>	Bos d 4	α-Lactalbumin	≤ 0.10
	<input checked="" type="radio"/>	Bos d 5	β-Lactoglobulin	≤ 0.10
	<input checked="" type="radio"/>	Bos d 8	Casein	≤ 0.10
Camel	<input type="radio"/>	Cam d		0.11
Goat, milk	<input type="radio"/>	Cap h_milk		≤ 0.10
Mare's milk	<input type="radio"/>	Equ c_milk		0.11
Sheep, milk	<input type="radio"/>	Ovi a_milk		≤ 0.10

Egg

Egg white	<input type="radio"/>	Gal d_white		≤ 0.10
Egg yolk	<input type="radio"/>	Gal d_yolk		≤ 0.10
Egg white	<input checked="" type="radio"/>	Gal d 1	Ovomucoid	≤ 0.10
	<input checked="" type="radio"/>	Gal d 2	Ovalbumin	≤ 0.10
	<input checked="" type="radio"/>	Gal d 3	Ovotransferrin	≤ 0.10
	<input checked="" type="radio"/>	Gal d 4	Lysozym C	≤ 0.10
Egg yolk	<input checked="" type="radio"/>	Gal d 5	Serum Albumin	≤ 0.10

Seafood

Herring worm	<input checked="" type="radio"/>	Ani s 1	Kunitz Serin Protease Inhibitor	≤ 0.10
	<input checked="" type="radio"/>	Ani s 3	Tropomyosin	≤ 0.10
Crab	<input type="radio"/>	Chi spp.		≤ 0.10
Herring	<input type="radio"/>	Clu h		≤ 0.10
	<input checked="" type="radio"/>	Clu h 1	β-Parvalbumin	≤ 0.10
Brown shrimp	<input checked="" type="radio"/>	Cra c 6	Troponin C	≤ 0.10
Carp	<input checked="" type="radio"/>	Cyp c 1	β-Parvalbumin	≤ 0.10
Atlantic cod	<input type="radio"/>	Gad m		≤ 0.10
	<input checked="" type="radio"/>	Gad m 2+3	β-Enolase & Aldolase	≤ 0.10

Name	E/M	Allergen	Function	kU _A /L
	<input checked="" type="radio"/>	Gad m 1	β-Parvalbumin	≤ 0.10
Lobster	<input type="radio"/>	Hom g		≤ 0.10
Shrimp	<input type="radio"/>	Lit s		≤ 0.10
Squid	<input type="radio"/>	Lol spp.		≤ 0.10
Common mussel	<input type="radio"/>	Myt e		≤ 0.10
Oyster	<input type="radio"/>	Ost e		≤ 0.10
Shrimp	<input type="radio"/>	Pan b		≤ 0.10
Scallop	<input type="radio"/>	Pec spp.		≤ 0.10
Black Tiger Shrimp	<input checked="" type="radio"/>	Pen m 1	Tropomyosin	≤ 0.10
	<input checked="" type="radio"/>	Pen m 2	Arginine kinase	≤ 0.10
	<input checked="" type="radio"/>	Pen m 3	Myosin, light chain	≤ 0.10
	<input checked="" type="radio"/>	Pen m 4	Sarcoplasmic Calcium Binding Protein	≤ 0.10
Thornback ray	<input type="radio"/>	Raj c		≤ 0.10
	<input checked="" type="radio"/>	Raj c Parvalbumin	α-Parvalbumin	≤ 0.10
Clam	<input type="radio"/>	Rud spp.		≤ 0.10
Salmon	<input type="radio"/>	Sal s		≤ 0.10
	<input checked="" type="radio"/>	Sal s 1	β-Parvalbumin	≤ 0.10
Atlantic mackerel	<input type="radio"/>	Sco s		≤ 0.10
	<input checked="" type="radio"/>	Sco s 1	β-Parvalbumin	≤ 0.10
Tuna	<input type="radio"/>	Thu a		≤ 0.10
	<input checked="" type="radio"/>	Thu a 1	β-Parvalbumin	≤ 0.10
Swordfish	<input checked="" type="radio"/>	Xip g 1	β-Parvalbumin	≤ 0.10

Meat

House cricket	<input type="radio"/>	Ach d		≤ 0.10
Cattle, meat	<input type="radio"/>	Bos d_meat		≤ 0.10
	<input checked="" type="radio"/>	Bos d 6	Serum Albumin	≤ 0.10
Horse, meat	<input type="radio"/>	Equ c_meat		≤ 0.10
Chicken meat	<input type="radio"/>	Gal d_meat		≤ 0.10
Migratory locust	<input type="radio"/>	Loc m		≤ 0.10
Turkey	<input type="radio"/>	Mel g		≤ 0.10
Rabbit, meat	<input type="radio"/>	Ory_meat		≤ 0.10
Sheep, meat	<input type="radio"/>	Ovi a_meat		≤ 0.10
Pork	<input type="radio"/>	Sus d_meat		≤ 0.10
	<input checked="" type="radio"/>	Sus d 1	Serum Albumin	≤ 0.10
Mealworm	<input type="radio"/>	Ten m		≤ 0.10







Name	E/M	Allergen	Function	kU _A /L
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INSECTS & VENOMS













Fire ant poison

Fire ant		Sol spp.		≤ 0.10 
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Honey Bee Venom

Honey bee		Api m		≤ 0.10 
		Api m 1	Phospholipase A2	0.18 
		Api m 10	Icarapin Variant 2	≤ 0.10 

Wasp Venom











Hornet		Dol spp		≤ 0.10 
Paper wasp venom		Pol d		≤ 0.10 
		Pol d 5	Antigen 5	≤ 0.10 
Wasp venom		Ves v		≤ 0.10 
		Ves v 1	Phospholipase A1	≤ 0.10 
		Ves v 5	Antigen 5	0.10 

Cockroach

German Cockroach		Bla g 1	Cockroach Group 1	≤ 0.10 
		Bla g 2	Aspartyl protease	≤ 0.10 
		Bla g 4	Lipocalin	≤ 0.10 
		Bla g 5	Glutathione S-transferase	≤ 0.10 
		Bla g 9	Arginine kinase	≤ 0.10 
American Cockroach		Per a		≤ 0.10 
		Per a 7	Tropomyosin	≤ 0.10 

ANIMAL ORIGIN

Pet

Dog		Can f_Fd1	Uteroglobin	≤ 0.10 
Male dog urine (incl. Can f 5)		Can f_male urine		≤ 0.10 
Dog		Can f 1	Lipocalin	≤ 0.10 
		Can f 2	Lipocalin	≤ 0.10 
		Can f 3	Serum Albumin	≤ 0.10 

Name	E/M	Allergen	Function	kU _A /L
	⊙	Can f 4	Lipocalin	≤ 0.10
	⊙	Can f 6	Lipocalin	≤ 0.10
Guinea pig	⊙	Cav p 1	Lipocalin	≤ 0.10
Cat	⊙	Fel d 1	Uteroglobin	≤ 0.10
	⊙	Fel d 2	Serum Albumin	≤ 0.10
	⊙	Fel d 4	Lipocalin	≤ 0.10
	⊙	Fel d 7	Lipocalin	≤ 0.10
House mouse	⊙	Mus m 1	Lipocalin	≤ 0.10
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	Hevein	≤ 0.10
	⊙	Hev b 8	Profilin	≤ 0.10
	⊙	Hev b 11	Class 1 Chitinase	≤ 0.10

Ficus

Weeping fig	⊙	Fic b		≤ 0.10
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Name	E/M	Allergen	Function	kU _A /L
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CCD

Hom s Lactoferrin	<input checked="" type="radio"/>	Hom s LF	CCD	0.70
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Parasite

Pigeon tick	<input checked="" type="radio"/>	Arg r 1	Lipocalin	≤ 0.10
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Total IgE: 135 kU/L

Reference range total-IgE

Adults: < 100 kU/L

PRINTED ON
17/11/2022

ASSAY PERFORMED ON
17/11/2022

Information to cross-reactive allergens

NPC2

NPC2 allergens show a limited degree of cross-reactivity.

Members of the NPC2 family are present in house dust- and storage mites. The cross-reactivity between Der f 2 and Der p 2 is quite extensive. NPC2 allergens from storage mites show only a limited degree of cross-reactivity to their pendants in house dust mites.

CCD

CCDs show a very high degree of cross-reactivity.

CCDs (cross-reactive carbohydrate determinants) are found in vegetable (pollen, food, spices, latex) and insect venom extracts, as well as in some seafood (e.g. mussels). Of course, purified allergens from these allergen sources can also be populated with CCDs. Antibodies directed against CCDs have been described as clinically irrelevant.

ALEX² – Number of tested allergen sources:**165****GRASS POLLEN****6**

Bahia grass, Bermuda grass, Common reed, Perennial ryegrass, Rye, Timothy grass

**COCKROACH****2**

American cockroach, German cockroach

**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

**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, Penicillium chrysogenum

**WEED POLLEN****10**

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

**MILK****5**

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

**HOUSE DUST MITES & STORAGE MITES****7**

Acarus siro, American house dust mite, Blomia tropicalis, European house dust mite, Glycyphagus domesticus, Lepidoglyphus destructor, Tyrophagus putrescentiae

**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

**LEGUMES****6**

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

**MEAT****10**

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

**SPICES****6**

Anise, Caraway, Mustard, Oregano, Paprika, Parsley

**PETS****7**

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

**FRUITS****15**

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

**FARM ANIMALS****5**

Cattle, Goat, Horse, Pig, Sheep

**VEGETABLES****6**

Carrot, Celery, Garlic, Onion, Potato, Tomato

**OTHERS****4**

Latex, Hom s lactoferrin, Pigeon tick, Weeping fig

**NUTS & SEEDS****13**

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

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