

ALEX® Allergen list					
Component/Extract	Allergencode	Common name	Scientific name	Component	Biochemical designation
Pollen					
Grass pollen					
E	g17	Bahia Grass	Paspalum notatum		
E	g2	Bermuda Grass	Cynodon dactylon		
E	g7	Common Reed	Phragmites communis		
E	g202	Corn	Zea mays		
E	g10	Johnson Grass	Sorghum halepense		
C	g100	Perennial Ryegrass	Lolium perenne	nLol p 1	Beta-Expansin
E	g12	Rye	Secale cereale		
E	g6	Timothy	Phleum pratense		
C	g205	Timothy	Phleum pratense	rPhl p 1	Beta-Expansin
C	g206	Timothy	Phleum pratense	rPhl p 2	Expansin
C	g215	Timothy	Phleum pratense	rPhl p 5.0101	Grass Goup 5/6
C	g209	Timothy	Phleum pratense	rPhl p 6	Grass Goup 5/6
C	g210	Timothy	Phleum pratense	rPhl p 7	Polcalcin
C	g212	Timothy	Phleum pratense	rPhl p 12	Profilin
Tree pollen					
E	t19	Acacia	Acacia spp.		
E	t2	Alder	Alnus glutinosa		
C	t100	Alder	Alnus glutinosa	rAln g 1	PR-10
C	t101	Alder	Alnus glutinosa	rAln g 4	Polcalcin
C	t226	Arizona Cypress	Cupressus arizonica	nCup a 1	Pectate Lyase
E	t25	Ash	Fraxinus excelsior		
C	t103	Ash	Fraxinus excelsior	rFra e 1	Ole e 1-Family
E	t5	Beech	Fagus sylvatica		
E	t14	Cottonwood	Populus nigra		

E	t222	Cypress	Cupressus sempervirens L.		
C	t105	Date Palm	Phoenix dactylifera	nPho d 2	Profilin
E	t8	Elm	Ulmus campestris		
E	t4	Hazel	Corylus avellana		
C	t102	Hazel	Corylus avellana	rCor a 1.0103	PR-10
E	t106	Lilac	Syringa vulgaris		
E	t11	London Plane Tree	Platanus acerifolia		
C	t241	London Plane Tree	Platanus acerifolia	rPla a 1	Plant Invertase
E	t63	Mountain Cedar	Juniperus ashei		
E	t71	Mulberry Tree	Morus rubra		
E	t7	Oak	Quercus robur		
E	t9	Olive	Olea Europaea		
C	t224	Olive	Olea Europaea	nOle e 1	Common Olive Group 1
C	t104	Olive	Olea Europaea	rOle e 2	Profilin
E	t210	Privet	Ligustrum vulgare		
E	t3	Silver Birch	Betula verrucosa		
C	t215	Silver Birch	Betula verrucosa	rBet v 1	PR-10
C	t216	Silver Birch	Betula verrucosa	rBet v 2	Profilin
C	t225	Silver Birch	Betula verrucosa	rBet v 6	Isoflavon Reductase
E	t17	Sugi	Cryptomeria japonica		
E	t10	Walnut	Juglans regia		
Weed pollen					
E	w101	Annual Mercury	Mercurialis annua		
E	w10	Lamb's Quarter	Chenopodium album		
C	w100	Lamb's Quarter	Chenopodium album	rChe a 1	Ole e 1-Family
E	w6	Mugwort	Artemisia vulgaris		
C	w231	Mugwort	Artemisia vulgaris	rArt v 1.0101	Plant Defensin
C	w233	Mugwort	Artemisia vulgaris	rArt v 3.0201	nsLTP
E	w20	Nettle	Urtica dioica		

E	w14	Pigweed	Amaranthus retroflexus		
E	w1	Ragweed	Ambrosia artemisiifolia/elatior		
C	w230	Ragweed	Ambrosia artemisiifolia/elatior	rAmb a 1	Pectate Lyase
C	w300	Ragweed	Ambrosia artemisiifolia/elatior	rAmb a 4	Plant Defensin
E	w9	Ribwort	Plantago lanceolata		
C	w234	Ribwort	Plantago lanceolata	rPla l 1	Ole e 1-Family
E	w11	Russian Thistle	Salsola kali		
E	w18	Sheep's Sorrel	Rumex acetocella		
E	w21	Wall Pellitory	Parietaria judaica		
C	w211	Wall Pellitory	Parietaria judaica	rPar j 2	nsLTP
Moulds & Yeasts					
E	m6	Alternaria alternata	Alternaria alternata		
C	m229	Alternaria alternata	Alternaria alternata	rAlt a 1	Alt a 1-Family
E	m3	Aspergillus fumigatus	Aspergillus fumigatus		
C	m220	Aspergillus fumigatus	Aspergillus fumigatus	rAsp f 3	Peroxisomal Protein
C	m221	Aspergillus fumigatus	Aspergillus fumigatus	rAsp f 4	unknown
C	m222	Aspergillus fumigatus	Aspergillus fumigatus	rAsp f 6	Mn Superoxid-Dismutase
E	m5	Candida albicans	Candida albicans		
E	m2	Cladosporium herbarum	Cladosporium herbarum		
C	m100	Cladosporium herbarum	Cladosporium herbarum	rCla h 8	Short Chain Dehydrogenase
C	y1	Malassezia sympodialis	Malassezia sympodialis	rMala s 1	unknown
C	y2	Malassezia sympodialis	Malassezia sympodialis	rMala s 5	unknown
C	y3	Malassezia sympodialis	Malassezia sympodialis	rMala s 6	Cyclophilin
C	y4	Malassezia sympodialis	Malassezia sympodialis	rMala s 9	unknown
C	y5	Malassezia sympodialis	Malassezia sympodialis	rMala s 11	Mn Superoxid-Dismutase
E	m1	Penicilium chrysogenum	Penicilium chrysogenum		

Mites & Cockroaches					
E	d70	Acarus siro	Acarus siro		
E	i206	American Cockroach	Periplaneta americana		
C	i300	American Cockroach	Periplaneta americana	rPer a 7	Tropomyosin
E	d2	American House Dust Mite	Dermatophagoides farinae		
C	d100	American House Dust Mite	Dermatophagoides farinae	rDer f 1	Cysteine Protease
C	d101	American House Dust Mite	Dermatophagoides farinae	rDer f 2	NPC2 Family
E	d201	Blomia tropicalis	Blomia tropicalis		
E	d1	European House Dust Mite	Dermatophagoides pteronyssinus		
C	d202	European House Dust Mite	Dermatophagoides pteronyssinus	rDer p 1	Cysteine Protease
C	d203	European House Dust Mite	Dermatophagoides pteronyssinus	rDer p 2	NPC2 Family
C	d103	European House Dust Mite	Dermatophagoides pteronyssinus	rDer p 5	unknown
C	d104	European House Dust Mite	Dermatophagoides pteronyssinus	rDer p 7	Mite Group 7
C	d205	European House Dust Mite	Dermatophagoides pteronyssinus	rDer p 10	Tropomyosin
C	d102	European House Dust Mite	Dermatophagoides pteronyssinus	rDer p 11	Myosin, heavy chain
K	d209	European House Dust Mite	Dermatophagoides pteronyssinus	rDer p 23	Peritrophin-like protein domain
E	i6	German Cockroach	Blatella germanica		
C	i100	German Cockroach	Blatella germanica	rBla g 1	Cockroach group 1
C	i101	German Cockroach	Blatella germanica	rBla g 2	Aspartyl protease
C	i102	German Cockroach	Blatella germanica	rBla g 4	Lipocalin
C	i103	German Cockroach	Blatella germanica	rBla g 5	Glutathione S-transferase

E	d73	Glycyphagus domesticus	Glycyphagus domesticus		
C	d105	Glycyphagus domesticus	Glycyphagus domesticus	rGly d 2	NPC2 Family
E	d71	Lepidoglyphus destructor	Lepidoglyphus destructor		
E	d72	Tyrophagus putrescentiae	Tyrophagus putrescentiae		
Dander & Epithelia					
E	e1	Cat	Felis domesticus		
C	e94	Cat	Felis domesticus	rFel d 1	Uteroglobin
C	e220	Cat	Felis domesticus	nFel d 2	Serum Albumin
C	e228	Cat	Felis domesticus	rFel d 4	Lipocalin
E	e4	Cattle	Bos domesticus		
C	e100	Cattle	Bos domesticus	rBos d 2	Lipocalin
E	e5	Dog	Canis familiaris		
C	e101	Dog	Canis familiaris	rCan f 1	Lipocalin
C	e102	Dog	Canis familiaris	rCan f 2	Lipocalin
C	e221	Dog	Canis familiaris	nCan f 3	Serum Albumin
E	e80	Goat	Capra hircus		
E	e6	Guinea Pig	Cavia porcellus		
E	e84	Hamster	Cricetus cricetus		
E	e3	Horse	Equus caballus		
C	e227	Horse	Equus caballus	rEqu c 1	Lipocalin
C	e103	Mouse	Mus musculus	nMus m 1	Lipocalin
E	e83	Pig	Sus domesticus		
E	e82	Rabbit	Oryctolagus spp.		
E	e73	Rat	Rattus norvegicus		
E	e81	Sheep	Ovis aries		

Hymenoptera Venoms					
E	i3	Common Wasp Venom	Vespula vulgaris		
C	i209	Common Wasp Venom	Vespula vulgaris	rVes v 5	Antigen 5
E	i1	Honey Bee Venom	Apis mellifera		
C	i208	Honey Bee Venom	Apis mellifera	r/nApi m 1	Phospholipase A2
C	i214	Honey Bee Venom	Apis mellifera	rApi m 2	Hyaluronidase
C	i217	Honey Bee Venom	Apis mellifera	rApi m 10	Icarapin Variant 2
E	i25	Long-headed Wasp Venom	Dolichovespula spp.		
E	i4	Paper Wasp Venom	Polistes dominulus		
C	i210	Paper Wasp Venom	Polistes dominulus	rPol d 5	Antigen 5
Foods					
Cereals & Seeds					
E	f6	Barley	Hordeum vulgare		
E	f11	Buckwheat	Fagopyrum esculentum		
C	f508	Buckwheat	Fagopyrum esculentum	nFag e 2	2S Albumin
E	f8	Corn, cereal	Zea mays		
E	f5	Cultivated rye	Secale cereale		
E	f335	Lupine Seed	Lupinus albus		
E	f55	Millet	Panicum miliaceum		
E	f7	Oat	Avena sativa		
E	f224	Poppy seed	Papaver somniferum		
C	f516	Poppy seed	Papaver somniferum	nPap s 2S Albumin	2S Albumin
E	f226	Pumpkin Seed	Cucurbita pepo		
E	f347	Quinoa	Chenopodium quinoa		
E	f9	Rice	Oryza sativa		
E	f10	Sesame	Sesamum indicum		
C	f518	Sesame	Sesamum indicum	nSes i 1	2S Albumin

E	k84	Sunflower seed	Helianthus annuus		
E	f124	Spelt	Triticum spelta		
E	f4	Wheat	Triticum aestivum		
C	f98	Wheat	Triticum aestivum	nTri a Gliadin	Gliadin
Egg and Milk					
E	f1	Egg White	Gallus domesticus		
C	f233	Egg White	Gallus domesticus	nGal d 1	Ovomucoid
C	f232	Egg White	Gallus domesticus	nGal d 2	Ovalbumin
C	f323	Egg White	Gallus domesticus	nGal d 3	Ovotransferrin
C	k208	Egg White	Gallus domesticus	nGal d 4	Lysozym C
C	f510	Egg Yolk	Gallus domesticus	nGal d 5	Serum Albumin
E	f75	Egg Yolk	Gallus domesticus		
E	f506	Camel's Milk	Camelus dromedarius		
E	f2	Cow's Milk	Bos domesticus		
C	f76	Cow's Milk	Bos domesticus	nBos d 4	α -Lactalbumin
C	f77	Cow's Milk	Bos domesticus	nBos d 5	β -Lactoglobulin
C	f78	Cow's Milk	Bos domesticus	nBos d 8	Casein
E	f300	Goat's Milk	Capra hircus		
E	f286	Mare's Milk	Equus caballus		
E	f325	Sheep's Milk	Ovis aries		
Fruit					
E	f49	Apple	Malus domestica		
C	f434	Apple	Malus domestica	rMal d 1	PR-10
C	f514	Apple	Malus domestica	nMal d 2	TLP
C	f435	Apple	Malus domestica	rMal d 3	nsLTP
E	f92	Banana	Musa acuminata		
E	f288	Blueberry	Vaccinium myrtillus		
E	f242	Cherry	Prunus spp.		
E	f328	Fig	Ficus carica		

C	f521	Grape	Vitis vinifera	nVit v 1	nsLTP
E	f84	Kiwi	Actinidia deliciosa		
C	f500	Kiwi	Actinidia deliciosa	nAct d 1	Cysteine Protease
C	f503	Kiwi	Actinidia deliciosa	nAct d 2	TLP
C	f501	Kiwi	Actinidia deliciosa	nAct d 5	Kiwellin
C	f502	Kiwi	Actinidia deliciosa	nAct d 10	nsLTP
E	f348	Litchi	Litchi chinesis		
E	f91	Mango	Mangifera indica		
E	f87	Melon	Cucumis melo		
E	f33	Orange	Citrus sinensis		
E	f293	Papaya	Carica papaya		
E	f95	Peach	Prunus persica		
C	f420	Peach	Prunus persica	n/r Pru p 3	nsLTP
E	f94	Pear	Pyrus communis		
E	f255	Plum	Prunus domestica		
E	f343	Raspberry	Rubus idaeus		
E	f44	Strawberry	Fragaria ananassa		
Legumes and Nuts					
E	f20	Almond	Prunus dulcis		
E	f18	Brazil Nut	Bertholletia excelsa		
C	f354	Brazil Nut	Bertholletia excelsa	nBer e 1	2S Albumin
E	f202	Cashew	Anacardium occidentale		
C	f443	Cashew	Anacardium occidentale	rAna o 3	2S Albumin
E	f309	Chickpea	Cicer arietinus		
E	f17	Hazel Nut	Corylus avellana		
C	f428	Hazel Nut	Corylus avellana	rCor a 1.0401	PR-10
C	f425	Hazel Nut	Corylus avellana	rCor a 8	nsLTP
C	f440	Hazel Nut	Corylus avellana	nCor a 9	11S Globulin
C	f506	Hazel Nut	Corylus avellana	nCor a 11	7/8S Globulin

C	f439	Hazel Nut	Corylus avellana	nCor a 14	2S Albumin
E	f235	Lentil	Lens culinaris		
E	f345	Macadamia	Macadamia integrifolia		
C	f513	Macadamia	Macadamia integrifolia	nMac i 2S Albumin	2S Albumin
E	f12	Pea	Pisum sativum		
E	f13	Peanut	Arachis hypogea		
C	f422	Peanut	Arachis hypogea	nAra h 1	7/8S Globulin
C	f423	Peanut	Arachis hypogea	rAra h 2	2S Albumin
C	f424	Peanut	Arachis hypogea	nAra h 3	11S Globulin
C	f447	Peanut	Arachis hypogea	nAra h 6	2S Albumin
C	f352	Peanut	Arachis hypogea	rAra h 8	PR-10
C	f427	Peanut	Arachis hypogea	rAra h 9	nsLTP
E	f201	Pecan	Carya illinoensis		
E	f203	Pistachio	Pistacia vera		
E	f14	Soy	Glycine max		
C	f353	Soy	Glycine max	rGly m 4	PR-10
C	f431	Soy	Glycine max	rGly m 5	7/8S Globulin
C	f432	Soy	Glycine max	nGly m 6	11S Globulin
C	f511	Soy	Glycine max	nGly m 8	2S Albumin
E	f256	Walnut	Juglans regia		
C	f441	Walnut	Juglans regia	nJug r 1	2S Albumin
C	f512	Walnut	Juglans regia	nJug r 2	7/8S Globulin
E	f315	Green Bean	Phaseolus vulgaris		
Sea Food					
C	p10	Anisakis simplex	Anisakis simplex	rAni s 1	Kunitz Serin Protease Inhibitor
C	p11	Anisakis simplex	Anisakis simplex	rAni s 3	Tropomyosin
E	f3	Atlantic Cod	Gadus morhua		
C	f509	Atlantic Cod	Gadus morhua	nGad m 1	β -Parvalbumin
C	f355	Carp	Cyprinus carpio	rCyp c 1	β -Parvalbumin

E	f237	Common Mussel	Mytilus edulis		
E	f23	Crab	Chionoecetes spp.		
E	f258	Squid	Loligo spp.		
E	f80	Lobster	Homarus gammarus		
E	f290	Oyster	Ostrea edulis		
E	f41	Salmon	Salmo salar		
E	f338	Scallop	Pecten spp.		
E	f515	Northern prawn	Pandalus borealis		
E	f24	Shrimp Mix	Litopaenaes setiferus, Farfantepenaeus aztecus, Farfantepenaeus dourarum		
C	f517	Black Tiger Shrimp	Penaeus monodon	nPen m 1	Tropomyosin
E	f40	Tuna	Thunnus albacares		
E	f207	Venus Clam	Ruditapes spp.		
Spices					
E	f271	Anise	Pimpinella anisum		
E	f265	Caraway	Carum carvi		
E	f89	Mustard	Brassica / Sinapis spp.		
C	f519	Mustard	Brassica / Sinapis spp.	nSin a 1	2S Albumin
E	f283	Oregano	Origanum vulgare		
E	f218	Paprika	Capsicum annuum		
E	f86	Parsley	Petroselinum crispum		
Meat					
E	f27	Beef	Bos domesticus		
C	e204	Beef	Bos domesticus	nBos d 6	Serum Albumin
E	f83	Chicken	Gallus domesticus		
E	f321	Horse	Equus caballus		
E	f88	Lamb	Ovis aries		
E	f26	Pig	Sus domesticus		

E	f213	Rabbit	Oryctolagus spp.		
E	f284	Turkey	Meleagris gallopavo		
Vegetables					
E	f96	Avocado	Persea americana		
E	f216	Cabbage	Brassica oleracea var. Capitata		
E	f31	Carott	Daucus carota		
C	f507	Carott	Daucus carota	rDau c 1	PR-10
E	f85	Celery	Apium graveolens		
C	f417	Celery	Apium graveolens	rApi g 1	PR-10
C	f504	Celery	Apium graveolens	rApi g 2	nsLTP
C	f505	Celery	Apium graveolens	rApi g 6	nsLTP
E	f47	Garlic	Allium sativum		
E	f215	Lettuce	Lactuca sativa		
E	f342	Olive	Olea europaea		
E	f48	Onion	Allium cepa		
E	f35	Potato	Solanum tuberosum		
E	f25	Tomato	Solanum lycopersicum		
C	f520	Tomato	Solanum lycopersicum	nSola l 6	nsLTP
E	f212	White Mushroom	Agaricus hortensis/bisporus		
E	f324	Hops	Humulus lupulus		
E	f45	Baker's Yeast	Sacccaromyces cerevisiae		
Other					
E	k82	Latex	Hevea brasiliensis		
C	k215	Latex	Hevea brasiliensis	rHev b 1	Rubber elongation factor
C	k217	Latex	Hevea brasiliensis	rHev b 3	small rubber particle protein
C	k218	Latex	Hevea brasiliensis	rHev b 5	unknown
C	k220	Latex	Hevea brasiliensis	rHev b 6.02	Pro-Hevein
C	k221	Latex	Hevea brasiliensis	nHev b 8	Profilin
C	k224	Latex	Hevea brasiliensis	rHev b 11	Class 1 Chitinase

E	k81	Weeping Fig	Ficus benjamina		
C	k202	Pineapple	Ananas comosus	nAna c 2	CCD
C	o214	Hom s Lactoferrin		rHom s LF	CCD

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