

Supplementary Table 3. Epitope Distribution in Different Airborne Allergens

	Name	T cell	B cell	Total Epitopes
Common Airborne Allergens				
<i>Aspergillus fumigatus</i>	Major allergen Asp f 2	6	93	99
	Ribonuclease mitogillin	8	5	13
	Allergen	12	0	12
	Oryzin precursor	0	9	9
	Allergen I/a; Asp f I/a	1	3	4
	Cellular serine proteinase	0	1	1
	Major allergen I	0	1	1
	Major allergen Asp f 1	0	1	1
	Allergen Asp f 4	0	1	1
Superoxide dismutase	0	1	1	
Timothy grass	Phl p 1	84	40	124
	Phl p 5	60	1	61
	Phl p 3	10	0	10
	Phl p 4	9	0	9
	Phl p 2	7	1	8
	Phl p 12 (Profilin-2/4)	1	5	6
	Phl p 13 (Polygalacturonase)	5	0	5
	Phl p 7 (Polcalcin)	0	2	2
	Phl p 11	1	0	1
Silver birch	Bet v 1	175	16	191
	Profilin (Bet v 2)	0	18	18
	Bet v 4	0	2	2
Annual ragweed	Amb a 3	4	9	13
	Amb a 5	8	0	8
	Amb a 2	1	2	3
	Amb a 1.1	1	1	2
	Amb a 1.4	0	1	1
Japanese cedar	Cry j 1	27	2	29
	Cry j IB	11	0	11
	Cry j 2	5	0	5
	Polygalacturonase	77	9	86
	Sugi basic protein	60	15	75
Perennial ryegrass	Lol p 1	46	13	59
	Lol p 2-A	0	2	2
	Lol p 3	0	1	1
	Lol p VA	23	20	43
Bermuda grass	Cyn d 1	23	1	24
	Cyn d 1 isoallergen isoform 1	0	1	1
	Cyn d 1 isoallergen isoform 3	0	1	1
American House dust mite	Der f 1	22	0	22
	Der f 2	8	9	17
	Allergen Mag	3	3	6
	Mag3	3	0	3
European House dust mite	Der p 2	56	32	88
	Der p 1	46	22	68
Spreading pellitory	Probable non-spec lipid-transfer protein 2	0	35	35
	Probable non-spec lipid-transfer protein	1	25	26
	Par j	0	1	1
Ashe juniper	Jun a 1	0	10	10
	Pathogenesis-related protein	0	3	3
Japanese cypress	Polygalacturonase	34	0	34
	Cha o 1	28	1	29

Olive tree	Ole e 1	14	39	53
	Beta-1,3-glucanase-like protein	0	26	26
Cat	Fel d 1 (Major allergen I)	48	18	66
Dog	Can f 1	50	0	50
Horse	Equ c 1	43	1	44
Midge	Globin Ctt 3-1	3	2	5
Other Plant Species				
Mouse ear cress	Putative pectate lyase 17	1	0	1
	Probable pectate lyase 18	1	0	1
Common velvet grass	Group V allergen	0	8	8
	Hol I 1	0	6	6
Cereal rye	Sec1	0	49	49
	Gamma-70 secalin isoform P4-12	0	1	1
Tobacco	Pectate lyase	0	1	1
	Cyclin-dependent kinase B1-1	0	1	1
Kentucky bluegrass	Pollen allergen KBG 60	18	34	52
Mugwort	Art v 1	19	0	19
Sunflower	Profilin	0	18	18
Great ragweed	Amb t 5	6	0	6
Loblolly pine	Allergen	0	4	4
Lichwort	Par j	0	2	2
Arizona cypress	Cup a 1	0	1	1
Formosan juniper	Allergen	0	1	1
Tall fescue	FeS e I	0	1	1
Carrot	Dau c 1	1	0	1
Elegant zinnia	Pectate lyase	1	0	1
Other Fungal Species				
<i>P. brasiliensis</i>	43 kDa secreted glycoprotein	11	0	11
	Immunodominant antigen Gp43	5	1	6
	Immunodominant antigen Gp43	0	1	1
<i>Penicillium chrysogenum</i>	Alkaline serine protease	0	30	30
	Pen n 18	0	15	15
<i>Alternaria alternata</i>	Major allergen Alt a 1	0	5	5
<i>Malassezia sympodialis</i>	Manganese superoxide dismutase	0	1	1
<i>Candida albicans</i>	Enolase 1	0	1	1
<i>Aspergillus restrictus</i>	Ribonuclease mitogillin p	0	1	1
Other Animal Species				
Rat	Major urinary protein precursor	19	0	19
	Ig epsilon chain C region	0	2	2
	Cytochrome P450 3A1	0	2	2
Storage mite	Blo t 5	0	17	17
	Paramyosin	0	1	1
Fodder mite	Lep d 2	10	5	15
American cockroach	Allergen Cr-PI	0	4	4
	Cr-P11 allergen (Per a 1)	0	2	2
	Cr-P11 allergen	0	1	1
	Per a 4 allergen variant 1	0	1	1
	Cr-P11 protein	0	1	1
German cockroach	Bla g 5	15	0	15
	Bla g 4	0	8	8

	Bla g 2	0	2	2
Cow dander	Bos d 2	8	2	10
Mayne's house dust mite	Eur m 1	9	0	9
Mouse	Naca	0	4	4