## **Allergen Cross-Reactivity**

Allergen groups (species within the genus) listed below show strong cross-reactivity within the associated group. Using one member of the group for the allergy immunotherapy extract may be adequate to protect the patient against the entire group.

Weeds:			Grasses:		Strong cross-reactivity between members of the	
(Ambrosia)			Subfamily Festucoide	Subfamily Festucoideae,		
	Short ragweed	Southern and Slender		Meadow fescue	Festucoidea subfamily	
	Giant ragweed	ragweed do not cross-		Timothy	but unique allergenicity	
	False ragweed	react as well as other		Rye	of <i>Eragrostoideae</i>	
	Western ragweed	ragweed species.		Kentucky blue	(Bermuda) &	
(Artemisia)				Orchard	Panicoideae subfamilies	
	Sages	Strong cross-reactivity		Red top	(Bahia & Johnson)	
	Wormwood	between <i>Artemisia</i>		_		
	Mugworts	species	Trees:			
Chenopod and Amaranth families		species	(Cupressaceae)	)		
-		L		Juniper	Cupressaceae family:	
(Salsola)	Russian thistle	Skin testing		Cedar	strong evidence for	
(Chenopodium)	Lambs quarter	suggests strong		Cypress	cross-reactivity	
(Kochia)	Burning bush	pollen cross-	(Betulaceae)	71	between members of	
,	C	reactivity	,	Birch	this family. One	
		across chenopod and		Alder	member of this family	
		amaranth family		Hazel	should be adequate.	
(Amaranthus)		boundaries.		Hornbeam		
,	Pigweed	Predominant weed		Hophornbeam		
	Red root pigweed	species n in	(Fagaceae)	1	Betulaceae and Fagales	
	Amaranth	geographic region	(,	Beech	families have extensive	
		should be used.		Oak	cross-reactivity.	
				Chestnut	The use of one of the	
			(Oleaceae)		locally prevalent	
(Atriplex)			(	Ash	members should be	
()	Saltbush St	rong cross-		European olive	adequate.	
		activity between		Privet		
	C	triplex species	(Populus)	211,00	01 6 11	
		T. C.	(1 op mis)	Cottonwood	Oleacea family:	
Dust Mites:	D. pteronyssinus			Poplar	Strong cross-reactivity	
Dust Willes.	D. farinae			Aspen	between the <i>Fraxinus</i>	
	D. jarmac		Cockroach:	Aspen	(ash) and <i>Olea</i> (olive)	
D. pteronyssinus and D. farinae have allergens				man cockroach	species	
with extensive interspecific cross-reacting			~	American cockroach		
epitopes as well as unique allergens. Generally,			7 1111	ericum cockrouch		
considered individually, dosage modifications				Although Garman a	ockroaches are most likely	
may be made if used in combination to account			to occur in American homes, an equal mixture			
for this cross-reactivity				of German and American cockroach is		
Tot tills cross reactivity				appropriate		
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