

Supplementary Table 6. Carbohydrate epitopes associated with allergic reactions.

Carbohydrate/Sugar Name	Source and Allergen	Category	Host	Response
α -1,3-fucose	Honey bee venom glycoprotein	Stinging Insect	Rabbit	IgG
N(4)-[α -L-fucosyl-(1->3)-N-acetyl-4-O-glycosyl-D-glucosaminy]-L-asparagine residue	Honey bee venom phospholipase A2	Stinging Insect	Human	IgE
α -D-fucose	Celery glycoprotein	Food	Human	IgE
Fuc- α -(1->3)-[Man- α -(1->6)-[Xyl- β -(1->2)]-Man- β -(1->4)-GlcNAc- β -(1->4)]-GlcNAc	Celery glycoprotein	Food	Human	IgE
methyl β -D-glucuronoside	Beet arabinogalactan	Food	Mouse	mAb
β -D-GlcpA-(1->3)- α -D-GalpA-(1->2)-L-Rha	Beet arabinogalactan	Food	Mouse	mAb
tetragalactose	Beet arabinogalactan	Food	Mouse	IgG2c
α -L-Fuc-(1->3)-[α -D-Man-(1->3)-[α -D-Man-(1->6)]- β -D-Xyl-(1->2)]- β -D-Man-(1->4)- β -D-GlcNAc-(1->4)]-D-GlcNAc	Cedar pollen Cry j 1	Airborne	Mouse	IgG2c
Mono- β -arabinofuranose	Mugwort pollen Art v 1	Airborne	Human	IgE
D-glucopyranuronic acid	Fungus polysaccharide	Airborne	BALB/c, Rabbit	mAb, Sera
α -D-galactosyl-(1->3)-D-galactose (α -gal)	Beef	Food	Human	IgE
xylitol	Food additive	Food	Rabbit	PCA IgE
D-GalNAc-(1->3)-[D-GalNAc-(1->4)]-D-GalNAc-(1->3)-D-GalNAc-ol	Sea Squirt H antigen	Food	Human	PCA IgE
D-GalNAc-(1->3)-[D-GalNAc-(1->2)-L-Fuc-(1->4)]-D-GlcNAc-(1->3)-D-GalNAc-ol	Sea Squirt H antigen	Food	Human	PCA IgE
D-GalNAc-(1->4)-D-GlcNAc-(1->3)-[D-GalNAc-(1->4)-D-GlcNAc-(1->6)]-D-GalNAc-ol	Sea Squirt H antigen	Food	Human	PCA IgE
D-GalNAc-(1->4)-D-GlcNAc-(1->6)-[D-GalNAc-(1->4)-[L-Fuc-(1->3)]-D-GlcNAc-(1->3)]-D-GalNAc-ol	Sea Squirt H antigen	Food	Human	PCA IgE
D-GalNAc-(1->4)-[L-Fuc-(1->3)]D-GlcNAc-(1->3)-[D-GalNAc-(1->4)-[L-Fuc-(1->3)]-D-GlcNAc-(1->6)]-D-GalNAc-ol	Sea Squirt H antigen	Food	Human	PCA IgE