### Important Protein Families

- **Storage-proteins (S)**: Proteins stable to heat and digestion causing reactions also to cooked foods. Often associated with systemic and more severe reactions in addition to CAS. Proteins are in nuts and seeds serving as source material for the growth of new plants.

- **LTP (non-specific Lipid Transfer Protein, VcatIP)**: Proteins stable to heat and digestion causing reactions also to cooked foods. Often associated with systemic and more severe reactions in addition to CAS. Associated with allergic reactions in fruits and vegetables, especially in regions where peach and closely related fruits are cultivated.

- **GFP (Gibberellin Regulated Protein)**: Proteins stable to heat and digestion causing reactions also to cooked foods. Often associated with systemic and more severe reactions in addition to CAS. Associated with allergic reactions to oils, nuts, fruits, and vegetables.

- **Defensin**: Proteins stable to heat and digestion causing reactions also to cooked foods. Often associated with systemic and more severe reactions in addition to CAS. Associated with allergic reactions to fruits, nuts, and vegetables.

### Important Allergens

- **Grass allergy syndrome (OAS)**

- **Nuts (Brazil nut, walnut)**

- **Plantain**

- **Mugwort**

- **Timothy**

- **Kiwis**

- **Rye**

- **Dog**

- **Egg yolk/chicken**

- **Meat (hamburger)**

- **Shellfish**

- **Honey bee**

- **Wheat**

- **Hazelnut**

- **Common wasp**

- **Horse**

- **Cypress**

- **Peach**

- **Plum**

- **Nut**

- **Apple**

- **Milk**

- **Aspergillus**

- **Anisakis**

- **Shrimp**

- **Hazel**

- **Canidae**

- **Spiders**

- **Dermatitis**

- **Tree pollen**

- **Seeds**

### Technology

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### References

5. Wal JM. *Clin Exp Allergy* 43(1): 128-140