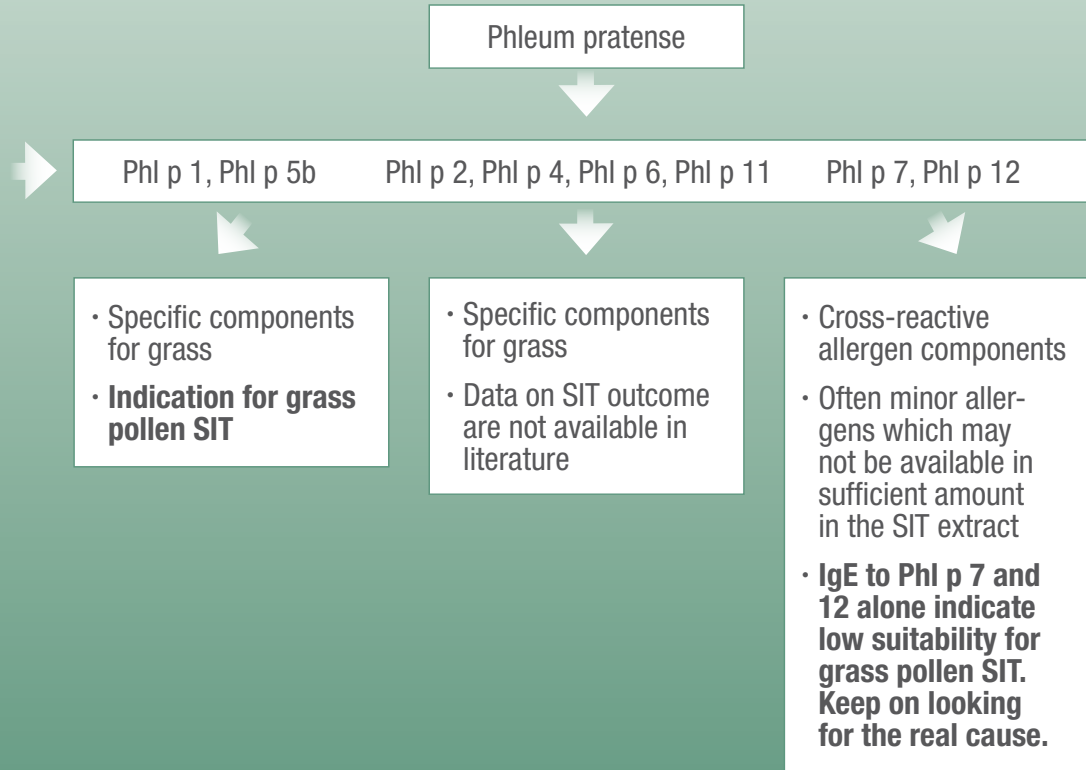


# Suggested profiles for SIT decision

ImmunoCAP®  
Allergen  
Components



Timothy components are suitable markers for many grass due to high degree of similarity between species

ARUNDINOIDEAE	<i>Phragmites</i>
CHLORIDOIDEAE	<i>Cynodon</i>
PANICOIDEAE	<i>Paspalum</i>
	<i>Zea</i> <i>Sorghum</i>
POACEAE (Gramineae)	<i>Elymus</i> <i>Triticum</i> <i>Hordeum</i>
	<i>Holcus</i> <i>Arrhenatherum</i> <i>Anthoxanthum</i> <i>Avena</i> <i>Phalaris</i>
	POOIDEAE
	<i>Phleum</i> <i>Alopecurus</i> <i>Agrostis</i>
	<i>Distichlis</i> <i>Lolium</i> <i>Dactylis</i> <i>Poa</i> <i>Festuca</i>
	<i>Secale</i>
	<i>Bromus</i>

Grasses and their botanical relations, adapted from L Yman (24)

## All available grass components for a complete patient management

ImmunoCAP®  
Complete  
Allergens

**Phleum pratense** g6, Timothy grass.

ImmunoCAP®  
Allergen  
Components

**Phl p 1** g205, group 1 grass allergen.  
A **specific marker** for timothy grass and other grasses.  
Major timothy pollen allergen, up to 90% of pollen allergic patients display IgE to Phl p 1.

**Phl p 2** g206, group 2 grass allergen.  
A **specific marker** for timothy grass and other grasses.  
Minor timothy pollen allergen.

**Phl p 4** g208, group 4 grass allergen.  
A **specific marker** for timothy grass and other grasses.  
Major timothy pollen allergen, up to 80% of pollen allergic patients display IgE to Phl 4. Carries CCD.

**Phl p 5b** g2015, group 5 grass allergen.  
A **specific marker** for timothy grass and other grasses.  
Major timothy pollen allergen, 65–85% of pollen allergic patients display IgE to Phl p 5.

**Phl p 6** g209, group 6 grass allergen.  
High sequence similarity to Phl p 5 and IgE recognition may part represent **cross-reactivity** to Phl p 5.  
Major timothy pollen allergen restricted to a few grass species and hence not a general marker for grasses.  
There is little evidence of IgE antibodies that bind uniquely to Phl p 6.

**Phl p 7** g210, Polcalcin.  
A **cross-reactive** allergen present in grass, tree and weed pollen only. High degree of similarity across species.  
Minor allergen, about 10% of grass pollen sensitized individuals show IgE response to Phl p 7.

**Phl p 11** g211, group 11 grass allergen.  
Minor timothy pollen allergen.

**Phl p 12** g212, Profilin.  
A **cross-reactive** allergen present in pollen, plant foods and latex. High degree of similarity across species.  
Minor allergen, 15–30% of pollen-allergic patients are sensitized to profilin.