

1 Supplementary Information: References from main paper:

		1									
SP.P0C088.NLTP_ARTVU	AL	TCSDVSNK	I	SPCLSYLKO	G	GEVPA	DCCA	G	VKG	LND	---
SP.P84160.NLTP_CITLI	-	ITCGQVTGS	L	APXIPFLRT	G	---	---	---	---	---	---
SP.P84161.NLTP_CITSI	-	ITXGQVTGS	L	APXIAFLRT	K	---	---	---	---	---	---
SP.P86333.NLTP_MUSAC	-	ITCSKVYGD	I	ISCVGYIKG	G	---	PIACVG	Y	LKGGPLQOY	VHN	---
SP.P81430.ALL7_OLEEU	A	PSQSTVTAL	L	TSVSYIDD	G	---	---	---	---	---	---
SP.P85204.NLTP1_ACTCH	A	VSCGOVDTA	L	TPCL	---	---	---	---	---	---	---

Supplementary Fig. 1: **Six fragmented allergens in the current database:** P81430 Pollen allergen Ole e 7 (Uniprot id:P81430) does not have any homologous nsLTP. Other fragments have the following matches among other full length nsLTP:

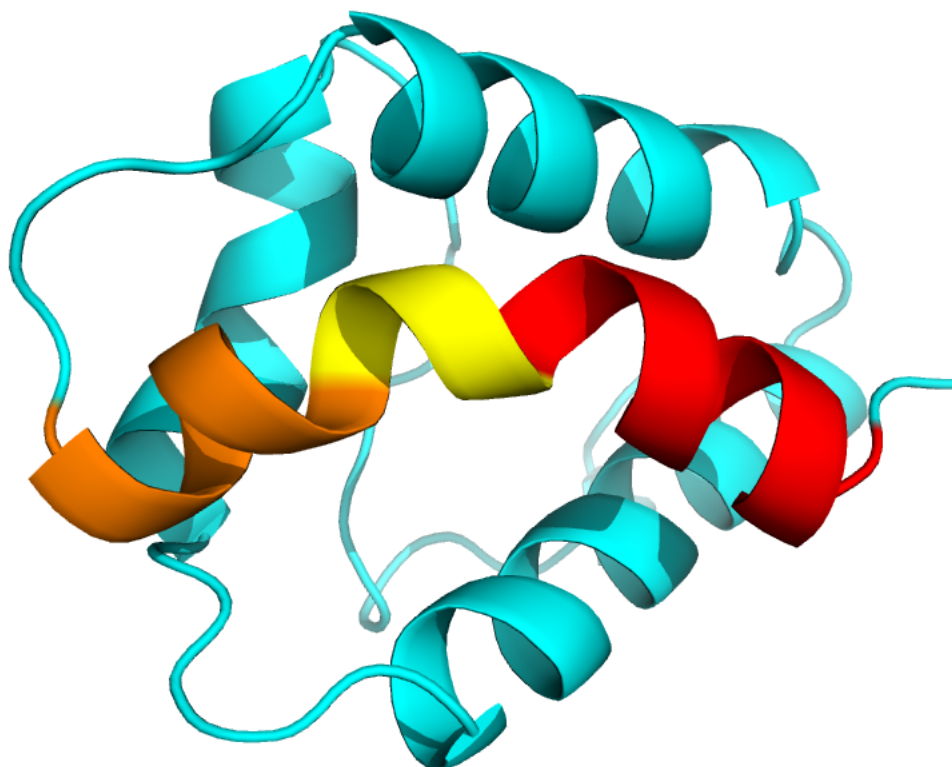
P0C088: ACE07187.1 Art v 3 allergen precursor *Artemisia vulgaris*,

P84160: XP_006429565.1 *Citrus clementina*,

P84161: KDO49687.1 *Citrus sinensis*,

P85204: P86137.2 *Actinidia deliciosa*,

P86333: XP_009396870.1 *Musa acuminata subsp. malaccensis*,



Supplementary Fig. 2: **Two α -helices (AH) in nsLTP1 (PDBid:2ALGA) joined by a 3_{10} AH:** 3_{10} is in yellow. This appears visually as a single AH in PyMOL. The number of AHs in nsLTP1 is thus mis-reported as four [22].