

SUPPLEMENTARY MATERIAL

Table S1. Percent amino acid sequence identity between 2S albumins, 7S globulins (vicilins) and 11S globulins (legumins) of cashew nut and hazelnut.

	2S albumins		7S globulins		11S globulins	
	Ana o 3	Cor a 14	Ana o 1	Cor a 11	Ana o 2	Cor a 9
Ana o 3	100	41	ns	ns	ns	ns
Cor a 14		100	ns	ns	ns	ns
Ana o 1			100	45	20	21
Cor a 11				100	20	22
Ana o 2					100	54
Cor a 9						100

Accession numbers: Ana o 1.0101 (Q8L5L5), Ana o 2.0101 (Q8GZP6), Ana o 3.0101 (Q8H2B8), Cor a 9.0101 (Q8W1C2), Cor a 11.0101 (Q8S4P9), Cor a 14.0101 (D0PWG2). Alignments yielding more than 50% amino acid sequence identity are indicated in bold. *ns: No significant similarity found.

Table S2. Amino acid sequence identities (%) between Ana o 3, Ana o 2 and Ana o 1 and related allergens in other tree nuts and peanut.

	Cashew Ana o 3	Pistachio Pis v 1	Walnut Jug r 1	Hazelnut Cor a 14	Brazil nut Ber e 1	Peanut Ara h 2	Peanut Ara h 6
Ana o 3	100	69	36	41	28	22	21
	Cashew Ana o 2	Pistachio Pis v 2	Walnut Jug r 4	Hazelnut Cor a 9	Brazil nut Ber e 2	Almond Pru du 6	Peanut Ara h 3
Ana o 2	100	52	62	59	51	50	48
	Cashew Ana o 1	Pistachio Pis v 3	Walnut Jug r 2	Hazelnut Cor a 11	Macadamia Mac i 1	Peanut Ara h 1	
Ana o 1	100	81	40	57	42	29	