

Supporting Information

Additional Supporting Information may be found in the online version of this article:

Figure S1. Allergic sensitization to thirteen allergens measured by ImmunoCAP (CAP), skin prick test (SPT) and MeDALL-chip at 10 and 16 years.

Table S1. The allergen components in the MeDALL-chip. The MeDALL-chip Inhalation comprises of those marked with Inh.

Table S2. Relative risk (RR) and absolute risk (AR) for patients with a positive test to current rhinitis or asthma at the same age with confident interval for asthma and rhinitis at 10 and 16 years.

Data S1. Subject and methods.

Table 1 Online supplement

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Allergen source	Allergens	Common route of exposure
Birch	Bet v 1, Bet v 2, Bet v 4	Inh
Alder	Aln g 1	Inh
Olive	Ole e 1, Ole e 7, Ole e 9	Inh
Japanese cedar	Cry j 1	Inh
Cypress	Cup a 1	Inh
Plane tree	Pla a 1, Pla a 2, Pla a 3	Inh
Timothy grass	Phl p 1, Phl p 2, Phl p 4, Phl p 5b, Phl p 6, Phl p 7, Phl p 11, Phl p 12	Inh
Bermuda grass	Cyn d 1	Inh
Ragweed	Amb a 1	Inh
Mugwort	Art v 1, Art v 3	Inh
Goosefoot	Che a 1	Inh
Annual mercury	Mer a 1	Inh
Plantain	Pla l 1	Inh
Wall pellitory	Par j 2	Inh
Saltwort	Sal k 1	Inh
Latex	Hev b 1, Hev b 3, Hev b 5, Hev b 6.01, Hev b 8	Inh
Alternaria	Alt f 1, Alt f 6	Inh
Apergillus	Asp f 1, Asp f 3, Asp f 6	Inh
Cladosporium	Cla h 8	Inh
House dust mite	Der p 1, Der f 1, Der p 2, der f 2, Der p 4, der p 5, Der p 7, Der p 10, Der p 11, Der p 14, Der p 15, Der p 18, Der p 21, Der p 23, clone 16	Inh
Storage mite	Lep d 2	Inh
Blomia tropicalis	Blo t 5	Inh
Cockroach	Bla g 1, Bla g 2, Bla g 5, Bla g 7	Inh
Cat	Fle d 1, Fel d 2, fel d 4	Inh
Dog	Can f 1, Can f 2, can f 3, can f 4, Can f 5, Can f 5, Can f 6	Inh
Horse	Equ c 1, Equ c 3	Inh
Mouse	Mus m 1	Inh
Peanut	Ara h 1, Ara h 1, Ara h 2, Ara h 3, Ara h 3, Ara h 6, Ara h 6, Ara h 8, Ara h 9	Food
Hazelnut	Cor a 1.0401, Cor a 8, Cor a 9	Food, (Cor a 1.0401:Food and Inh)
Walnut	Jug r 1, Jug r 2, Jug r 3	Food
Almond	Pru du 3, Pru du 4, Pru du 6, Pru du 6.01, Pru du 6.02	Food
Cashew nut	Ana o 1, Ana o 2, Ana o 2, Ana o 2	Food
Pistachio	Pis v 3	Food
Brazil nut	Ber e 1	Food
Sesame	Ber e 1	Food
Soy	Gly m 4, Gly m 5, Gly m 6	Food
Wheat	Tri a 14 (f,i), Tri a 19.0101 (f), Tri aA TI (f,i), Tri a 36 (191-369) (f,i), Tri a 36 (f,i), m43 (f), m82 (f), Tri a 39 (#10) (i), Tri a Trx (#37) (i), Tri a GST (#38) (i), Tri a 12 (#123) (f,i), Tri a DH (#126) (i), Tri a 37 (f), Tri a 14 (f,i)	Food (f) and inhalation (i)
Buckwheat	Fag e 2	Food
Kiwi	Act d 1, Act d 2, Act d 5, Act d 8	Food
Apple	Mal d 1	Food
Peach	Pru p 1, Pru p 3	Food, (Pru p3 also skin)
Pineapple	Ana c 2.0101	Food, inh
Cow's milk	Bos d 4, Bos d 5, Bos d 6, Bos d 8, Bos d Lactoferrin, Bos d 4, Bos d 5, Bos d 6, Bos d 8, Bos d 9, Bos d 10, Bos d 11, Bos d 12, Bos d Lactoferrin,	Food
Egg white	Gal d 1, Gal d 2, Gal d 3	Food
Egg yolk/chicken	Gal d 5	Food
Codfish	Gad c 1	Food
Shrimp	Pen m 1, Pen m 2, Pen m 4	Food

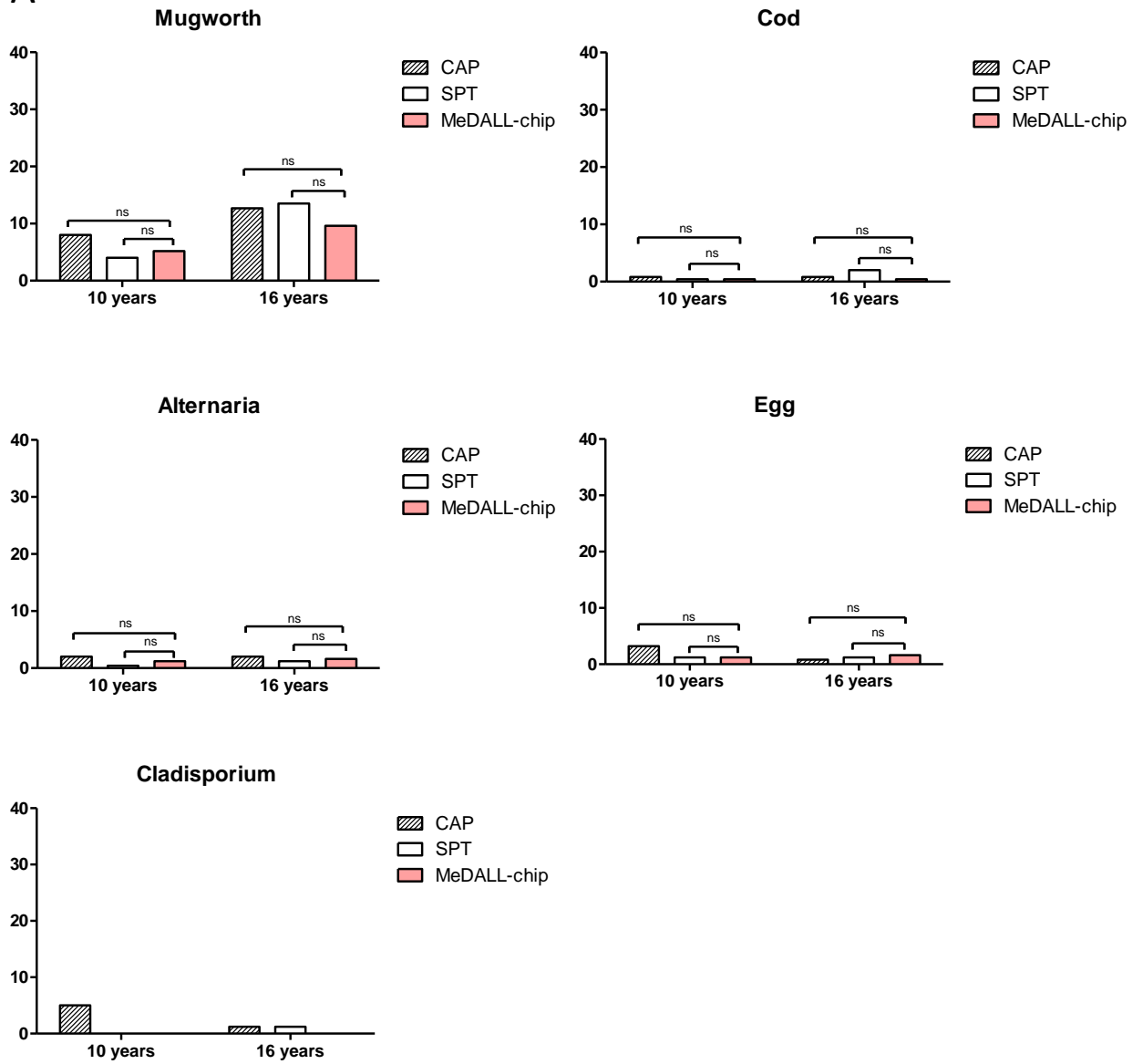
Table 2 Online supplement

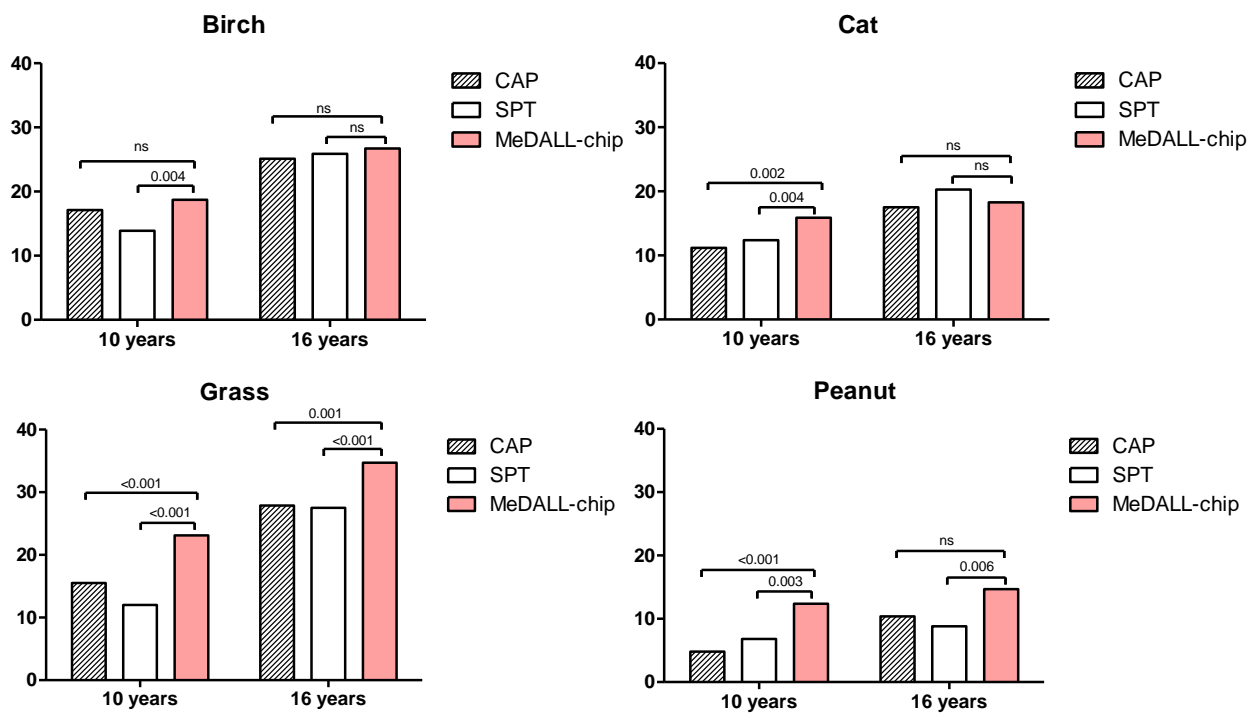
A	Current rhinitis	Current asthma	Current rhinitis	Current asthma
	10y	10y	16y	16y
	RR (conf.int.)	RR(conf. Int.)	RR(con.f int.)	RR(conf.int.)
MeDALL-chip	1.4 (1.2-1.6)	1.1 (1.0-1.2)	1.9 (1.6-2.3)	1.1 (1.0-1.2)
MeDALL-chip Inhal	1.4 (1.2-1.7)	1.1 (1.0-1.2)	1.9 (1.6-2.3)	1.1 (1.0-1.2)
ImmunoCAP	1.5 (1.3-1.8)	1.1 (1.0-1.2)	2.1 (1.7-2.5)	1.1 (1.0-1.2)
ImmunoCAP Inhal	1.6 (1.4-2.0)	1.2 (1.0-1.3)	2.1 (1.7-2.6)	1.1 (1.0-1.3)
SPT	1.8 (1.4-2.3)	1.1 (1.0-1.3)	1.8 (1.5-2.2)	1.1 (1.0-1.2)
SPT Inhal	1.8 (1.5-2.3)	1.1 (1.0-1.3)	1.9 (1.5-2.3)	1.1 (1.0-1.2)

B	Current rhinitis	Current asthma	Current rhinitis	Current asthma
	10y	10y	16y	16y
	AR (conf.int.)	AR(conf. Int.)	AR(con.f int.)	AR(conf.int.)
MeDALL-chip	0.95 (0.91 - 0.98)	0.96 (0.92 - 0.99)	0.89 (0.83 - 0.94)	0.90 (0.84 - 0.95)
MeDALL-chip Inhal	0.95 (0.91 - 0.98)	0.96 (0.92 - 0.99)	0.89 (0.83 - 0.94)	0.92 (0.86 - 0.95)
ImmunoCAP	0.96 (0.91 - 0.98)	0.97 (0.93 - 0.99)	0.90 (0.84 - 0.95)	0.92 (0.86 - 0.96)
ImmunoCAP Inhal	0.96 (0.92 - 0.98)	0.97 (0.93 - 0.99)	0.90 (0.84 - 0.94)	0.92 (0.86 - 0.96)
SPT	0.95 (0.92 - 0.98)	0.96 (0.92 - 0.98)	0.85 (0.78 - 0.91)	0.89 (0.82 - 0.93)
SPT Inhal	0.95 (0.92 - 0.98)	0.96 (0.92 - 0.98)	0.86 (0.79 - 0.91)	0.89 (0.83 - 0.94)

Fig 1 online suppl

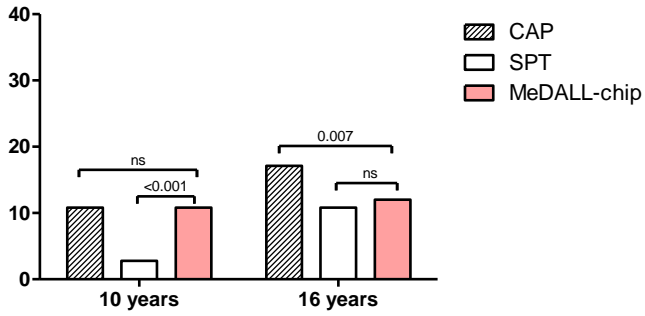
A



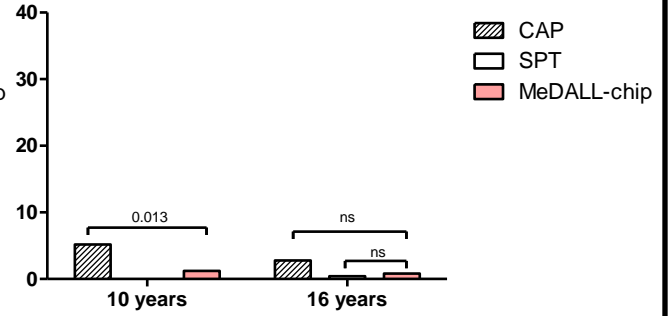
B

C

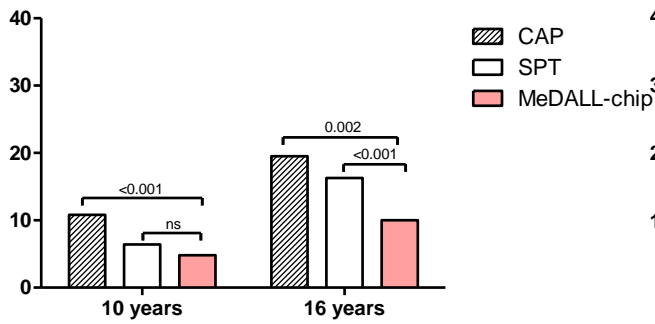
HDM



Milk



Dog



Blatella

