

Table E1. Subject characteristics and cytokine responses

Subject	Disease	Age	Sex	Race	AG	Dose*	Challenge	BAL % recovery	Albumin mg/ml	BAFF pg/ml	IL-6 pg/ml	IL-13 pg/ml	IgA µg/ml	IgE ng/ml	sIgA µg/ml
1	Allergic Asthma	20	F	Cauc	RW	0.03 ^a x 0.5	SAL	44	0.07	0	4	0	8	1	33
							AG	41	0.08	0	11	0	7	1	23
							Serum		30.21	776	8	0	1712	2000	<0.4
2	Allergic Asthma	25	F	AA	RW	0.03 ^a x 25	SAL	57	0.04	0	5	0	6	1	26
							AG	38	0.33	22	100	11	23	26	17
							Serum		21.24	555	8	0	2024	1787	<0.4
3	Allergic Asthma	35	M	AA	RW	5 x 0.1	SAL	48	0.03	0	5	0	6	35	23
							AG	42	3.36	270	2309	340	345	2	15
4	Allergic Asthma	43	F	AA	RW	5 x 0.1	SAL	63	0.10	0	31	0	15	7	46
							AG	58	0.09	0	12	0	7	7	19
							Serum		43.21	1346	8	0	3449	3491	<0.4
5	Allergic Asthma	28	M	AA	RW	5 x 0.1	SAL	35	0.01	0	1	0	5	1	20
							AG	41	1.96	73	1270	72	198	55	2
							Serum		24.35	411	8	0	4470	1456	<0.4
6	Allergic Asthma	37	M	Cauc	DF	5 x 0.03	SAL	31	0.03	0	2	0	4	1	18
							AG	16	0.21	0	18	0	22	4	14
							Serum		38.29	847	8	0	4703	1328	<0.4
7	Allergic Rhinitis	28	F	AA	RW	5 x 2.5	SAL	63	0.02	0	1	0	7	3	34
							AG	79	2.13	202	1145	230	195	56	3
							Serum		23.39	570	14	0	1851	496	<0.4
8	Allergic Asthma	27	M	AA	DPT	5 x 0.3	SAL	48	0.02	0	2	0	8	3	31
							AG	41	0.45	70	448	3	61	17	15
							Serum		30.44	342	8	0	5248	1328	<0.4
9	Allergic Asthma	33	M	Cauc	DPT	5 x 0.3	SAL	46	0.06	0	3	0	5	0	38
							AG	34	0.40	63	400	13	13	3	29
							Serum		43.93	719	14	0	1178	523	<0.4
10	Allergic Asthma	35	F	Cauc	DPT	5 x 0.06	SAL	50	0.02	0	3	0	5	0	20
							AG	55	2.01	407	7459	85	329	52	14
							Serum		27.89	1013	106	0	1740	333	<0.4
11	Allergic Rhinitis	43	F	Cauc	DPT	5 x 0.13	SAL	51	0.08	0	14	0	2	0	9
							AG	44	0.28	0	76	13	7	2	9
							Serum		34.82	1064	14	0	966	184	<0.4
12	Allergic Asthma	33	M	Cauc	DPT	5 x 0.001	SAL	54	0.05	0	8	0	11	1	44
							AG	48	0.04	0	10	0	10	1	36
							Serum		25.11	642	0	0	4104	1328	<0.4
13	Allergic Asthma	33	M	AA	RW	5 x 10	SAL	53	0.03	0	2	0	4	3	24
							AG	36	0.13	29	21	5	8	31	21
							Serum		21.28	682	0	0	919	7192	<0.4
14	Allergic Rhinitis	43	F	AA	RW	5 x 10	SAL	48	0.03	0	4	0	4	0	23
							AG	52	0.34	44	18	0	19	9	29
							Serum		27.35	675	21	0	1377	1019	<0.4
15	Allergic Asthma	18	M	AA	RW	5 x 10	SAL	28	0.10	35	54	0	12	56	46
							AG	42	1.28	192	215	13	79	777	32
							Serum		21.40	407	8	0	1690	20505	<0.4
16	Allergic Rhinitis	42	M	AA	RW	5 x 0.01	SAL	50	0.05	0	15	0	7	1	37
							AG	46	0.50	73	77	37	71	17	51
							Serum		24.51	597	8	0	3909	1212	<0.4

Cauc, Caucasian; AA, African American; RW, Amb a1 (Antigen E); DF, Der f1; DPT, Der p1; SAL, Saline; AG, Antigen.

*Dose, volume (ml) x concentration (µg/ml) of specific allergen; a, volume delivered by aerosol