

## SUPPLEMENTARY MATERIAL

Table 1. Results of skin test index.

SKIN TEST, ALL PATIENTS							
Date	Geometric mean			STI	95% CI	99% CI	N
	Dose 1/1	Dose 1/10	Dose 1/100				
Day 0	21.46	11.99	3.43				61
Day 1	13.76	8.61	2.14	2.75	1.46-5.33	1.21-6.74	61
1 month	10.51	4.88	1.25	7.32	6.70-14.93	3.30-19.28	60
3 months	4.67	1.94	0.75	51.15	21.53-157.35	16.97-243.61	58
6 months	3.56	2.59	0.91	83.72	27.82-394.4	20.77-754.3	55
SKIN TEST IN PATIENTS WITH CAT-EXTRACT SCIT							
Date	Geometric mean			STI	95% CI	99% CI	N
	Dose 1/1	Dose 1/10	Dose 1/100				
Day 0	23.08	11.48	2.99				40
Day 1	14.87	8.48	2.16	2.15	1.03-4.78	0.81-3.37	39
1 month	10.31	5.1	1.23	5.88	2.88-13.59	2.32-18.59	38
3 months	4.2	1.52	0.78	55.36	19.28-239.44	14.47-444.83	37
6 months	3.49	2.81	1	41.44	12.56-238.31	9.10-525.54	35
SKIN TEST IN PATIENTS WITH DOG-EXTRACT SCIT							
Date	Geometric mean			STI	95% CI	99% CI	N
	Dose 1/1	Dose 1/10	Dose 1/100				
Day 0	17.35	11.96	4.01				21
Day 1	11.25	8.38	1.94	4.23	1.39-17.05	0.97-31.10	21
1 month	11.17	5.14	1.36	7.64	2.55-32.62	1.83-61.83	21
3 month	5.59	3.28	0.73	31.62	8.31-250.24	5.78-697.18	20
6 month	4.15	2.51	0.81	173.92	25.5-7289.38	15.93-74034.16	19













**Table 1.** Change in the geometric mean of the skin tests with cat or dog extract, and STI at day 1 and at 1, 3, and 6 months of treatment compared to day 0, at different doses. STI: skin tolerance index, CI: confidence interval, N: number of patients.

Table 2. repository. Frequency of specific IgE to recombinant allergens.

ALLERGEN	% SENSITIZATION
Fel d 1	92%
Fel d 2	13%
Fel d 4	55%
Fel d 7	42%
Can f 1	52%
Can f 2	33%
Can f 3	19%
Can f 5	57% (25% monosensitized)
Can f 6	47%

**Table 3.** Results of specific IgE, IgG, IgG1, IgG2, IgG3 and IgG4 to recombinant cat and dog allergens at baseline and at 3 and 6 months of immunotherapy

Ig	Mean			Trend	p	
IgG1	Baseline	3 <sup>rd</sup> month	6 <sup>th</sup> month	0-3-6m	0- 3 <sup>rd</sup> m	0- 6 <sup>th</sup> m
Can f 1	0.714	0.928	1.087		0.057	0.059
Can f 2	0.402	0.612	0.459		*0.037	0.910
Can f 3	0.318	0.436	0.462		0.089	0.364
Can f 4	0.544	0.912	1.020		*0.004	0.015*
Can f 5	1.389	1.468	1.565		0.147	0.112
Can f 6	0.624	0.704	0.716		0.154	0.484
Fel d 1	1.386	2.437	2.161		0.000*	0.000*
Fel d 7	0.815	0.979	1.059		0.006*	0.059
IgG2	Baseline	3 <sup>rd</sup> month	6 <sup>th</sup> month	Trend	P	
Can f 1	0.563	0.849	0.892		0.021*	0.334
Can f 2	0.628	0.797	0.662		0.032*	0.955
Can f 3	0.154	0.244	0.150		0.941	0.041*
Can f 4	0.541	0.744	0.878		0.028*	0.114
Can f 5	0.949	1.015	1.106		0.324	0.216
Can f 6	0.661	0.777	0.711		0.154	0.938
Fel d 1	0.800	2.294	2.444		0.000*	0.000*
Fel d 7	0.487	0.608	0.747		0.002*	0.038*
IgG3	Baseline	3 <sup>rd</sup> month	6 <sup>th</sup> month	Trend	P	
Can f 1	0.134	0.087	0.089		0.654	0.460
Can f 2	0.169	0.191	0.167		0.837	0.226
Can f 3	0.097	0.116	0.214		0.852	0.460
Can f 4	0.117	0.117	0.272		0.981	0.865
Can f 5	0.330	0.236	0.376		0.079	0.696
Can f 6	0.122	0.138	0.202		0.093	0.691
Fel d 1	0.114	0.125	0.128		0.010*	0.038*
Fel d 7	0.391	0.442	0.445		0.791	0.370
IgG4	Baseline	3 <sup>rd</sup> month	6 <sup>th</sup> month	Trend	p	
Can f 1	1.359	1.883	1.811		0.009*	0.011*
Can f 2	0.801	1.140	0.999		0.101	0.156
Can f 3	0.438	0.590	0.511		0.837	0.691
Can f 4	1.526	2.204	2.232		0.004*	0.031*
Can f 5	1.389	1.686	1.948		0.007*	0.005*
Can f 6	1.482	1.727	1.620		0.279	0.263
Fel d 1	2.132	3.203	3.203		0.000*	0.000*
Fel d 7	0.959	1.209	1.367		0.004*	0.058
Ig G Total	Baseline	3 <sup>rd</sup> month	6 <sup>th</sup> month	Trend	p	
Can f 1	1.885	2.214	2.295		0.027*	0.094
Can f 2	1.820	2.132	2.055		0.014*	0.009*
Can f 3	0.696	0.849	0.836		0.043*	0.113

Can f 4	1.443	2.190	2.288		0.001*	0.006*
Can f 5	2.019	2.082	2.284		0.380	0.026*
Can f 6	1.646	1.735	1.849		0.373	0.589
Fel d 1	3.116	3.560	3.555		0.000*	0.000*
Fel d 7	2.047	2.427	2.316		0.000*	0.246
Ig E	Baseline	3 <sup>rd</sup> month	6 <sup>th</sup> month	Trend	P	
Can f 1	1.937	1.882	1.277		0.917	0.601
Can f 2	1.758	1.928	1.184		0.435	0.093
Can f 3	1.648	2.338	0.576		0.540	0.532
Can f 4	1.984	2.585	2.735		0.049*	0.411
Can f 5	2.294	2.519	2.239		0.179	0.465
Can f 6	2.984	2.738	2.621		0.746	0.954
Fel d 1	11.707	5.281	4.398		0.000*	0.000*
Fel d 7	6.134	4.190	3.969		0.001*	0.003*

Ig: immunoglobulin, \*: statistically significant, m: month.