Supplementary material to article by M. Trzeciak et al. "Association of a Single Nucleotide Polymorphism in a Late Cornified Envelope-like Proline-rich 1 Gene with Atopic Dermatitis"

Appendix S2.

## SUPPLEMENTARY RESULTS

Occurrence of HRNR SNP (rs11204937) and HRNR SNP (rs877776) in patients with AD

GG genotype was the prevailing form of HRNR (rs877776) found in patients with AD. It was observed in 65% of patients with AD and was 1.65 times more frequent in patients with AD compared with healthy subjects, but there was no statistic significance (p = 0.3). No association was found between rs877776 genotype/alleles and elevated serum IgE levels (p = 0.5/p = 0.88), pruritus (p = 0.6/p = 0.53), SCORAD score (p = 0.5/p = 0.93), age

(p=0.2/p=0.26), early onset of AD (p=0.4/p=0.28), eosinophilia (p=0.36/p=0.28), or concomitant asthma (p=0.6/p=0.7).

CC genotype of HRNR (rs11204937) was rare, but was more frequent in patients with AD than in controls, in contrast to AA genotype, which was the prevailing form in healthy controls (STable I). rs11204937[C] was 1.8 times more frequent in patients with AD, but there was no statistic significance. Patients with CC genotype of HRNR (rs11204937) presented higher levels of IgE (p=0.007) and earlier onset of AD (p=0.02) than those with AA genotype. No association was observed between HRNR (rs11204937) genotypes, either A or Callele, and pruritus (p=0.17: p=0.2), SCORAD (p=0.7: p=0.5) and concomitant asthma (p=0.9: p=0.9).

STable I. Frequency of genotypes and alleles of hornerin (HRNR) in patients with atopic dermatitis (AD) and control group with logistic regression analysis of association between single nucleotide polymorphism (SNP) HRNR and AD

	Genotype and minor allele	Occurrence in patients with AD (%)	Occurrence in healthy subjects (%)	p	OR	95% CI	p
HRNR rs877776	GG	65	58	0.3	1.31892	0.7738883-2.247804	0.30
	GC	34	42	0.24			
	CC	1	0				
	G	82	78				
	C	18	22				
HRNR rs11204937	AA	66	72		1.310521	0.7672001-2.238616	0.31
	AC	32	27	0.79			
	CC	2	1				
	A	82	86				
	С	18	14	0.51			

CI: confidence interval.