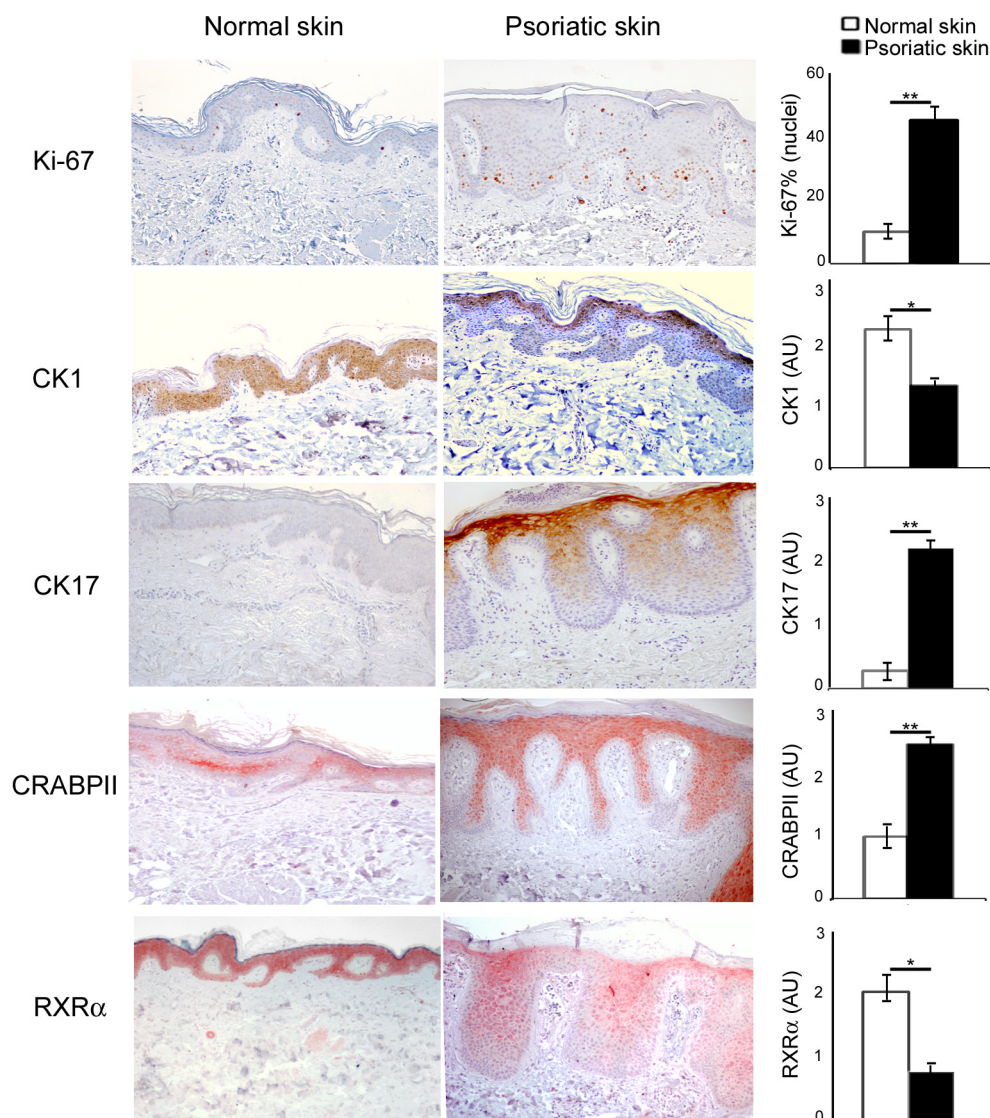


Expression and potential role of cellular retinol binding protein I in psoriasis

SUPPLEMENTARY MATERIALS



Supplementary Figure 1: Expression of Ki-67, CK1, CK17, CRABP II and RXRα in human normal and psoriatic skin.

Left panel: Representative immunostaining showing an increase of epidermal Ki-67 positive nuclei, CK17 and CRABP II expression in psoriatic skin; whereas RXRα and CK1 expression decrease. Original magnification, 100X. * $p < 0.05$; ** $p < 0.01$ at Student's *t*-test. Right panel: Bar graphs showing the percentages of markers expression in normal and psoriatic skin.

Supplementary Table 1: Biostatistical analysis of selected CRBPI SNPs

Selected SNPs							
rs184157 A/G		rs295493 A/G		rs893704 G/T		rs2071387 C/T	
Allele Frequency	<i>p</i>	Allele Frequency	<i>p</i>	Allele Frequency	<i>p</i>	Allele Frequency	<i>p</i>
Cases		Cases		Cases		Cases	
A: 0.224		A: 0.37		G: 0.43		C: 0.23	
G: 0.776		G: 0.63		T: 0.57		T: 0.77	
Controls		Controls		Controls		Controls	
A: 0.224		A: 0.36		G: 0.40		C: 0.20	
G: 0.776		G: 0.64		T: 0.60		T: 0.80	
Genotype Frequency		Genotype Frequency		Genotype Frequency		Genotype Frequency	
<i>p</i>		<i>p</i>		<i>p</i>		<i>p</i>	
Cases		Cases		Cases		Cases	
AA: 0.04		AA: 0.15		GG: 0.17		CC: 0.04	
AG: 0.36		AG: 0.45		GT: 0.51		CT: 0.36	
GG: 0.60		GG: 0.40		TT: 0.32		TT: 0.60	
Controls		Controls		Controls		Controls	
AA: 0.04		AA: 0.12		GG: 0.18		CC: 0.04	
AG: 0.38		AG: 0.48		GT: 0.44		CT: 0.31	
GG: 0.58		GG: 0.40		TT: 0.38		TT: 0.65	

Supplementary Table 2: Haplotype analysis

Haplotypes	Psv patients Frequencies	Control subjects Frequencies	<i>p</i>
G-A-G-C	0.036	0.027	
G-A-G-T	0.154	0.142	
G-A-T-C	0.003	0	
G-A-T-T	0.008	0.007	
G-G-G-C	0.097	0.106	
G-G-G-T	0.014	0.004	
G-G-T-C	0.013	0	
G-G-T-T	0.45	0.4873	
A-A-G-C	0.03	0.016	ns
A-A-G-T	0.08	0.101	
A-A-T-C	0.033	0.032	
A-A-T-T	0.02	0.022	
A-G-G-C	0.002	0.003	
A-A-G-T	0.002	0	
A-G-T-C	0.008	0	
A-G-T-T	0.03	0.04995	

Supplementary Table 3: Analyzed genes array.

See Supplementary File 1