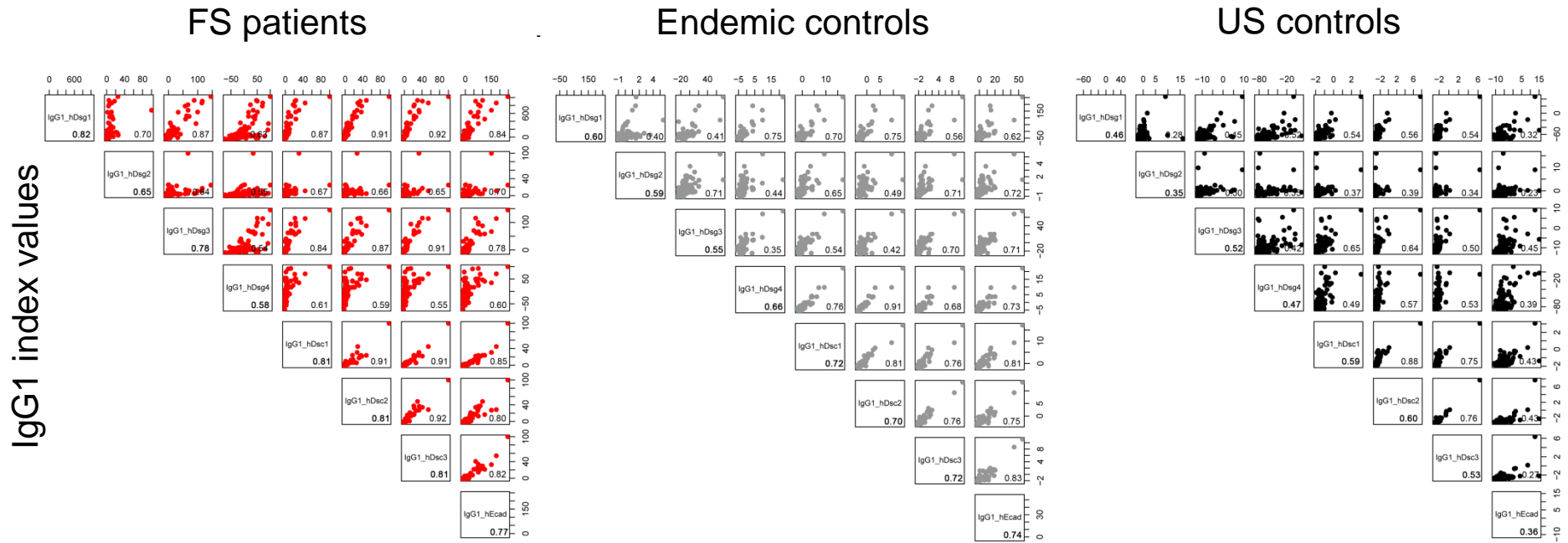


Supplementary Table I. *P*-values for comparison of index value distributions among FS patients, endemic controls, and US controls.¹

		FS vs EC	FS vs US	EC vs US
IgG1	Dsg1	2.20E-19*	6.30E-32*	1.20E-24*
	Dsg2	2.90E-23*	5.10E-25*	3.20E-03*
	Dsg3	2.00E-18*	9.90E-26*	2.30E-06*
	Dsg4	1.70E+00	2.70E-25*	1.30E-30*
	Dsc1	9.30E-07*	7.40E-25*	7.60E-13*
	Dsc2	4.60E-13*	4.80E-24*	1.90E-04*
	Dsc3	3.10E-11*	8.50E-27*	7.10E-20*
	E-cad	2.80E+00	1.30E-02*	3.20E-24*
IgG4	Dsg1	3.10E-22*	5.80E-32*	1.90E-13*
	Dsg2	1.00E-15*	3.50E-30*	1.10E-24*
	Dsg3	7.50E-04*	2.90E-04*	4.10E-19*
	Dsg4	9.80E+00	6.10E-06*	4.30E-14*
	Dsc1	5.80E-01	1.70E-21*	7.90E-24*
	Dsc2	1.50E-09*	6.80E-30*	9.10E-26*
	Dsc3	9.20E-01	1.60E-12*	5.40E-05*
	E-cad	1.60E-01	1.90E-21*	1.50E-27*

¹The data from which these *P*-values were derived are depicted in Figure 1. To adjust for multiple comparisons with an overall of 0.05, only *P*-values below 0.05/48=0.001 are considered statistically significant (marked by an asterisk (*)). The total number of subjects in each group is as follows: FS patients (n=101), endemic controls (n=106), and US controls (n=106). Index value *P*-values for all pairwise comparisons using the Wilcoxon two-sample test are shown.

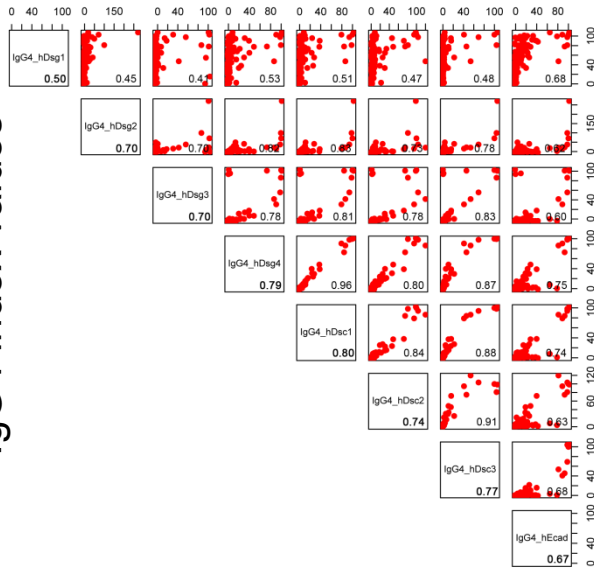
Abbreviations: Dsg, desmoglein; Dsc, desmocollin; E-cad, E-cadherin; FS, fogo selvagem; EC, endemic controls; US, US controls.



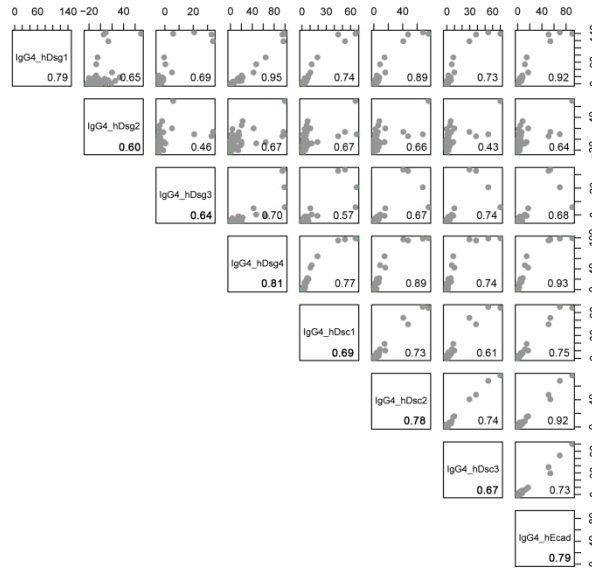
Supplementary Figure 1. Correlation among anti-keratinocyte cadherin IgG1 responses. Fogo Selvagem (FS) patient, endemic control, and US control autoantibody response correlations are depicted by index value scatter plots for IgG1 responses. The Spearman correlation coefficient (r value) for each scatter plot is shown in the bottom right corner of each plot. Average r values for each antigen response is shown in the bottom for each antigen. Dsg, desmoglein; Dsc, desmocollin; Ecad, E-cadherin.

FS patients

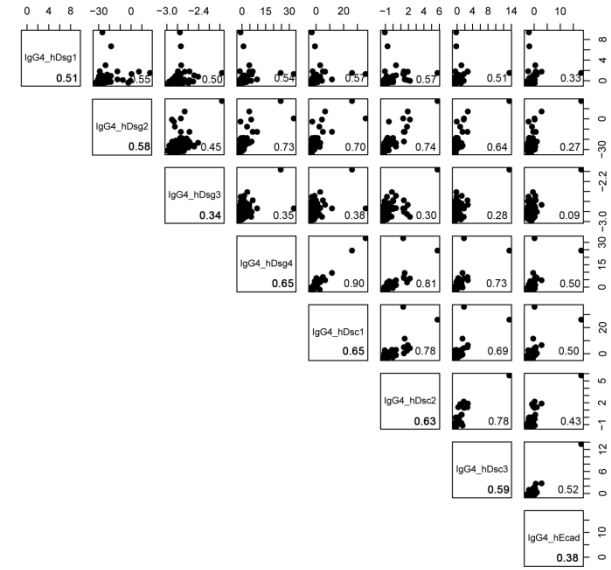
IgG4 index values



Endemic controls



US controls



Supplementary Figure 2. Correlation among anti-keratinocyte cadherin IgG4 responses. Fogo Selvagem (FS) patient, endemic control, and US control autoantibody response correlations are depicted by index value scatter plots for IgG4 responses. The Spearman correlation coefficient (r value) for each scatter plot is shown in the bottom right corner of each plot. Average r values for each antigen response is shown in the bottom for each antigen. Dsg, desmoglein; Dsc, desmocollin; Ecad, E-cadherin.

Supplementary Table II. The levels of anti-Dsg1 (native and denatured) autoantibodies of the individuals before (pre-) and after (post-) the onset of FS.¹

Patient	IgG1				IgG4			
	Pre-		Post-		Pre-		Post-	
	Native	Denatured	Native	Denatured	Native	Denatured	Native	Denatured
FS1	0.122	0.105	0.114	0.092	0.972	0.972	0.975	0.956
FS2	0.138	0.150	0.329	0.263	0.137	0.134	0.479	0.380
FS3	0.081	0.075	0.086	0.075	0.131	0.128	0.179	0.072
FS4	0.671	0.579	0.420	0.332	0.114	0.105	0.149	0.120
FS5	0.096	0.088	0.069	0.056	0.068	0.067	0.112	0.078
FS6	0.513	0.556	0.521	0.541	0.249	0.233	0.355	0.180
FS7	0.083	0.071	0.240	0.210	0.101	0.077	0.271	0.113
FS8	0.130	0.116	0.197	0.181	0.080	0.084	0.160	0.155
FS9	0.395	0.339	0.355	0.311	1.510	1.481	1.857	0.880
FS10	0.077	0.074	1.030	0.978	0.261	0.253	0.733	0.696
FS11	0.075	0.068	0.101	0.081	0.082	0.080	0.112	0.107

¹The OD values of the ELISA results are shown in the table.