

**S5 Table. Gene ontology (GO) analysis of differentially expressed genes upregulated in skin T cells compared to blood T cells.**

GO-Slim Biological Process	# of genes involved	Expected representation	Fold Enrichment	Adjusted P-value
protein folding	7	0.56	> 5	0.000358
response to stress	12	2.37	> 5	0.000914
apoptotic process	9	1.97	4.56	0.0351
cell death	9	2.03	4.44	0.0424
death	9	2.04	4.41	0.0446
immune system process	15	5.01	2.99	0.0255

Data obtained from PANTHER version 10.0 Overrepresentation Test (release 20150430) using PANTHER GO-Slim Biological Process annotation data set. P-values are adjusted for multiple testing with the Bonferroni method.