

**Table SIII. List of 36 datasets with differentially expressed genes (DEGs) in cytokine-treated cultured keratinocytes, obtained from the Gene Expression Omnibus (GEO) database**

Experiment	Cell type	Array platform	References
IL1a (25 ng/48 h GSE9120)	Primary keratinocytes	Affymetrix Human Genome U133A 2.0 Array (GPL571)	Yano et al. 2008 (J Cell Physiol 214:1-13)
IL1b (10 ng/4 d GSE7216)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Sa et al. 2007 (J Immunol 178:2229-40)
IL4 (20 ng/24 h GSE36287)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Swindell et al. 2012 (PLoS ONE 7:e34594)
IL13 (20 ng/24 h GSE36287)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Swindell et al. 2012 (PLoS ONE 7:e34594)
IL17A (200 ng/24 h GSE12109)	Primary keratinocytes	Affymetrix Human Genome U133A 2.0 Array (GPL571)	Nogralles et al. 2008 (Br J Dermatol 159:1092-102)
IL17A (200 ng/24 h GSE24767)	Primary keratinocytes	Illumina HumanHT-12 V3.0 expression beadchip (GPL6947)	Chiriccozzi et al. 2011 (J Invest Dermatol 131:677-87)
IL17C (500 ng/24 h GSE36287)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Swindell et al. 2012 (PLoS ONE 7:e34594)
IL17C (500 ng/3 h GSE32620)	Primary keratinocytes	Agilent-014850 Whole Human Genome Microarray 4x44K G4112F (GPL6480)	Ramirez-Carrozzi et al. 2011 (Nat Immunol 12:1159-66)
IL17C (500 ng/24 h GSE32620)	Primary keratinocytes	Agilent-014850 Whole Human Genome Microarray 4x44K G4112F (GPL6480)	Ramirez-Carrozzi et al. 2011 (Nat Immunol 12:1159-66)
IL19 (20 ng/4 d GSE7216)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Sa et al. 2007 (J Immunol 178:2229-40)
IL20 (20 ng/4 d GSE7216)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Sa et al. 2007 (J Immunol 178:2229-40)
IL22 (200 ng/24 h GSE12109)	Primary keratinocytes	Affymetrix Human Genome U133A 2.0 Array (GPL571)	Nogralles et al. 2008 (Br J Dermatol 159:1092-102)
IL24 (20 ng/4 d GSE7216)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Sa et al. 2007 (J Immunol 178:2229-40)
IL26d (20 ng/4 d GSE7216)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Sa et al. 2007 (J Immunol 178:2229-40)
IL36RA (5 µg/24 h GSE25400)	Reconstituted epidermis	Affymetrix Human Gene 1.0 ST Array (GPL6244)	Johnston et al. 2011 (J Immunol 186:2613-22)
IL36a (5 µg/24 h GSE25400)	Reconstituted epidermis	Affymetrix Human Gene 1.0 ST Array (GPL6244)	Johnston et al. 2011 (J Immunol 186:2613-22)
IL36b (5 µg/24 h GSE25400)	Reconstituted epidermis	Affymetrix Human Gene 1.0 ST Array (GPL6244)	Johnston et al. 2011 (J Immunol 186:2613-22)
IL36g (5 µg/24 h GSE25400)	Reconstituted epidermis	Affymetrix Human Gene 1.0 ST Array (GPL6244)	Johnston et al. 2011 (J Immunol 186:2613-22)
IFNa (20 ng/24 h GSE36287)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Swindell et al. 2012 (PLoS ONE 7:e34594)
IFNg (1 IU/24 h GSE1132)	Primary keratinocytes	Affymetrix Human Genome U133A/U133B Array (GPL96/GPL97)	Mansourian et al. 2004 (Bioinformatics 20:2726-37)
IFNg (48 h GSE440)	Primary keratinocytes	Affymetrix Human Genome U95 Version 2 Array (GPL8300)	Banno et al. 2003 (Antivir Ther 8:541-54)
IFNg (10 ng/4 d GSE7216)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Sa et al. 2007 (J Immunol 178:2229-40)
IFNg (20 ng/24 h GSE12109)	Primary keratinocytes	Affymetrix Human Genome U133A 2.0 Array (GPL571)	Nogralles et al. 2008 (Br J Dermatol 159:1092-102)
IFNg (20 ng/24 h GSE36287)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Swindell et al. 2012 (PLoS ONE 7:e34594)
IFNg (20 ng/30 min GSE8531)	Primary keratinocytes	Affymetrix Human Genome U133A 2.0 Array (GPL571)	Cheng et al. 2008 (J Invest Dermatol 128:1981-90)
TGFa (20 ng/1 h GSE8531)	Primary keratinocytes	Affymetrix Human Genome U133A 2.0 Array (GPL571)	Cheng et al. 2008 (J Invest Dermatol 128:1981-90)
TGFa (20 ng/2 h GSE8531)	Primary keratinocytes	Affymetrix Human Genome U133A 2.0 Array (GPL571)	Cheng et al. 2008 (J Invest Dermatol 128:1981-90)
TNFa (1 ng/24 h GSE24767)	Primary keratinocytes	Illumina HumanHT-12 V3.0 expression beadchip (GPL6947)	Chiriccozzi et al. 2011 (J Invest Dermatol 131:677-87)
TNFa (10 ng/24 h GSE24767)	Primary keratinocytes	Illumina HumanHT-12 V3.0 expression beadchip (GPL6947)	Chiriccozzi et al. 2011 (J Invest Dermatol 131:677-87)
TNFa (10 ng/24 h GSE36287)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Swindell et al. 2012 (PLoS ONE 7:e34594)
TNFa (20 ng/20 h GSE36387)	Primary keratinocytes	Affymetrix Human Genome U133 Plus 2.0 Array (GPL570)	Swindell et al. 2012 (PLoS ONE 7:e34594)
IL17A+TNF (1 ng/24 h GSE24767)	Primary keratinocytes	Illumina HumanHT-12 V3.0 expression beadchip (GPL6947)	Chiriccozzi et al. 2011 (J Invest Dermatol 131:677-87)
IL17A+TNF (10 ng/24 h GSE24767)	Primary keratinocytes	Illumina HumanHT-12 V3.0 expression beadchip (GPL6947)	Chiriccozzi et al. 2011 (J Invest Dermatol 131:677-87)
EGF (10 ng/48 h 50% GSE32217)	Primary keratinocytes	Affymetrix Human Gene 1.0 ST Array (GPL6244)	Tran et al. 2012 (Physiol Genomics 44(8):455-69)
EGF (10 ng/48 h 100% GSE32217)	Primary keratinocytes	Affymetrix Human Gene 1.0 ST Array (GPL6244)	Tran et al. 2012 (Physiol Genomics 44(8):455-69)