Supplemental Online Material 3: Gene expression of selected genes, comparison of expression levels in microarray and qPCR

"Regulation of angiogenic and inflammatory factors in CNV-derived RPE" Christoph Ehlken et al.

	micro-array		qPCR				
Gen	hRPE	CNV-RPE-69	hRPE	CNV-RPE-69	Fibroblasts	HeLa	HUVEC
CRALBP	0,0401	0,0030	0,1275	0,0066	nd	nd	nd
KRT18	1,1727	1,7832	0,8236	1,0289	0,1321	0,8470	0,3906
PEDF	2,7198	0,1267	4,8235	0,1595	0,8951	nd	nd
VIM	1,1938	1,2575	1,6473	1,0186	1,2554	0,7416	0,8207

Legend:

nd = not detectable; hRPE = primary human retinal pigment epithelium; CNV-RPE-69 = CNV derived retinal pigment epithelium cells (cell line 69);

Gene expression was normalized to beta-actin as reference gene and to ARPE as reference cell line. CRALBP (cellular retinaldehyde binding protein) was expressed in both hRPE (human RPE) and CNV-RPE-69, but not in the other cell lines. KRT18 (cytokeratin 18) and VIM (Vimentin) was expressed at comparable levels in the three RPE cell lines (ARPE, hRPE, CNV-RPE-69). PEDF (pigment epithelium-derived factor) was highly expressed in hRPE, but not in CNV-RPE-69.