

Supplemental Online Material 3: **Gene expression of selected genes, comparison of expression levels in micro-array and qPCR**

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

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

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.