



SUPPLEMENTARY FIG. S3. Diagram of the method for mounting scaffolds to Transwell™. (A) A cross-sectional diagram of a Corning Snapwell™ insert. (B) The Snapwell™ insert separated from its holder. (C) The scaffold placed in the Snapwell™ insert flush with the Transwell™ membrane. (D) Compression of the scaffold in the insert so that it is mechanically held to the Transwell™. (E) A diagram of the complete scaffold/Transwell™ assembly during culture, including the location of the apical and basal supernatants used for ELISA. ELISA, enzyme-linked immunosorbent assay.

Supplementary Reference

S1. Sonesson, C., Love, M.I., and Robinson, M.D. Differential analyses for RNA-seq: transcript-level estimates improve gene-level inferences. *F1000Res* **4**, 1521, 2015.

SUPPLEMENTARY TABLE S1. FIGURE 7B ORDERED GENE NAMES—A LIST OF RETINAL PIGMENT EPITHELIUM SIGNATURE GENES—CLUSTER I ORGANIZED AS PER THE ORDER SHOWN IN THE HEATMAP IN FIGURE 7B^{S1}

<i>Gene name</i>	<i>Position</i>	<i>Gene name</i>	<i>Position</i>	<i>Gene name</i>	<i>Position</i>
TYRP1	1	SULF1	17	BMP4	33
DCT	2	GEM	18	PLCB4	34
SERPINF1	3	PDPN	19	CDH3	35
GPNMB	4	TRPM1	20	CDO1	36
GJA1	5	SLC6A15	21	LIMCH1	37
TTR	6	SORBS2	22	MAB21L1	38
BEST1	7	SDC2	23	GAS1	39
ALDH1A3	8	FGFR2	24	SOSTDC1	40
ENPP2	9	SFRP5	25	RPE65	41
FRZB	10	COL8A2	26	CSPG5	42
DUSP4	11	MPDZ	27	LHX2	43
CHRNA3	12	SLC6A20	28	SIX3	44
PTGDS	13	RBP1	29	CLCN4	45
TTLL4	14	MYRIP	30	CRX	46
EFEMP1	15	GPR143	31	FOXD1	47
TFPI2	16	APLP1	32		