

Appendix 1. Levels of expression of angiogenic and anti-angiogenic genes in developing human retina

Gene Title	Gene Symbol	Macula vs. Surround		Macula vs. Nasal		Affymetrix Probe Set ID
		P=	DE# (%)	P=	DE# (%)	
<u>Vascular Endothelial Growth Factor</u>						
vascular endothelial growth factor A	VEGFA	0.767	-3.32	0.832	2.36	210512_s_at
vascular endothelial growth factor A	VEGFA	0.179	-29.49	0.631	-9.13	210513_s_at
vascular endothelial growth factor A	VEGFA	0.347	-13.75	0.878	-2.06	211527_x_at
vascular endothelial growth factor A	VEGFA	0.558	-7.54	0.940	-0.92	212171_x_at
vascular endothelial growth factor B	VEGFB	0.238	16.15	0.181	18.80	203683_s_at
vascular endothelial growth factor C	VEGFC	0.468	8.00	0.233	13.94	209946_at
<u>Antiangiogenic Factors</u>						
pigment epithelium derived factor (serpin peptidase inhibitor, clade F member 1)	PEDF	0.003	49.52	0.004	46.62	202283_at
natriuretic peptide precursor B	NPPB	0.003	28.57	0.002	33.05	206801_at
natriuretic peptide receptor A	NPR1	0.519	-4.41	0.951	0.41	204648_at
natriuretic peptide receptor A	NPR1	0.362	-3.88	0.064	-8.84	32625_at
apolipoprotein H (beta-2-glycoprotein I)	APOH	0.111	-5.23	0.714	-1.09	205216_s_at
apolipoprotein H (beta-2-glycoprotein I)	APOH	0.595	2.24	0.742	1.38	231359_at
collagen, type IV, alpha 2	COL4A2	0.151	-21.16	0.005	-59.72	211964_at
collagen, type IV, alpha 2	COL4A2	0.033	-35.56	0.001	-85.44	211966_at
collagen, type IV, alpha 3	COL4A3	0.020	31.31	0.036	26.80	214641_at
collagen, type IV, alpha 3	COL4A3	0.409	-6.50	0.778	-2.13	216367_at
collagen, type IV, alpha 3	COL4A3	0.071	-6.60	0.826	0.70	216368_s_at
collagen, type IV, alpha 3	COL4A3	0.967	0.19	0.076	9.15	216893_s_at
collagen, type IV, alpha 3	COL4A3	0.913	0.29	0.722	-0.94	216896_at
collagen, type IV, alpha 3	COL4A3	0.065	27.91	0.029	35.75	216898_s_at
collagen, type IV, alpha 3	COL4A3	0.040	77.94	0.038	79.60	222073_at
collagen, type IV, alpha 3 binding protein	COL4A3BP	0.529	-7.98	0.572	-7.12	219625_s_at
collagen, type IV, alpha 3 binding protein	COL4A3BP	0.116	-24.66	0.387	-12.10	223465_at
collagen, type IV, alpha 3 binding protein	COL4A3BP	0.577	-7.00	0.516	-8.23	223466_x_at
forkhead box O4	FOXO4	0.086	-17.92	0.241	-11.23	205451_at
ghrelin/obestatin preprohormone	GHRL	0.196	10.03	0.333	7.24	223862_at
ghrelin/obestatin preprohormone	GHRL	0.141	-7.86	0.276	-5.56	237647_at
hematopoietically expressed homeobox	HHEX	0.817	-1.13	0.613	-2.50	204689_at
hematopoietically expressed homeobox	HHEX	0.118	8.44	0.863	0.83	215933_s_at
interleukin 17F	IL17F	0.683	2.21	0.258	6.49	234408_at
serine peptidase inhibitor, Kazal type 5	SPINK5	0.142	4.31	0.225	3.46	205185_at
kallikrein-related peptidase 3	KLK3	0.178	9.34	0.257	7.66	204582_s_at
kallikrein-related peptidase 3	KLK3	0.660	3.30	0.912	-0.81	204583_x_at
kallikrein-related peptidase 3	KLK3	0.740	-2.34	0.995	0.04	231629_x_at
platelet factor 4 (chemokine (C-X-C motif) ligand 4)	PF4	0.210	3.14	0.018	-6.93	206390_x_at

plasminogen	<i>PLG</i>	0.092	6.27	0.013	10.72	209977_at
plasminogen	<i>PLG</i>	0.070	4.69	0.256	2.71	240033_at
promyelocytic leukemia	<i>PML</i>	0.527	-4.15	0.214	-8.67	206503_x_at
promyelocytic leukemia	<i>PML</i>	0.440	3.23	0.917	0.42	209640_at
promyelocytic leukemia	<i>PML</i>	0.404	-5.76	0.324	-6.93	210362_x_at
promyelocytic leukemia	<i>PML</i>	0.411	-5.87	0.848	-1.31	211013_x_at
promyelocytic leukemia	<i>PML</i>	0.679	4.22	0.814	2.37	211588_s_at
promyelocytic leukemia	<i>PML</i>	0.941	0.38	0.846	1.01	211589_at
promyelocytic leukemia	<i>PML</i>	0.793	1.80	0.194	-9.74	235508_at
promyelocytic leukemia	<i>PML</i>	0.619	-1.82	0.237	-4.57	239582_at
stabilin 1	<i>STAB1</i>	0.517	3.06	0.534	2.93	1555319_at
stabilin 1	<i>STAB1</i>	0.409	-3.89	0.826	-1.00	1555320_a_at
stabilin 1	<i>STAB1</i>	0.396	7.92	0.785	-2.43	204150_at
stabilin 1	<i>STAB1</i>	0.747	-1.75	0.722	-1.94	38487_at

DE: Differential expression is the ratio of expression levels at the macula compared with nasal/surround, expressed here as a % value.