

Title page

Title: The effects of exosomes derived from trabecular meshwork cells on Schlemm's canal endothelial cells

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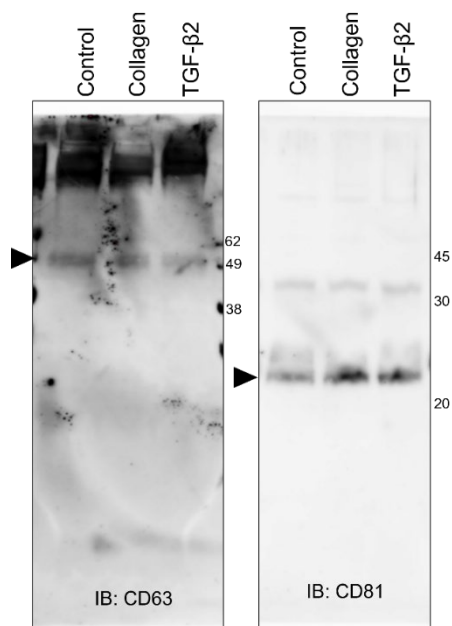
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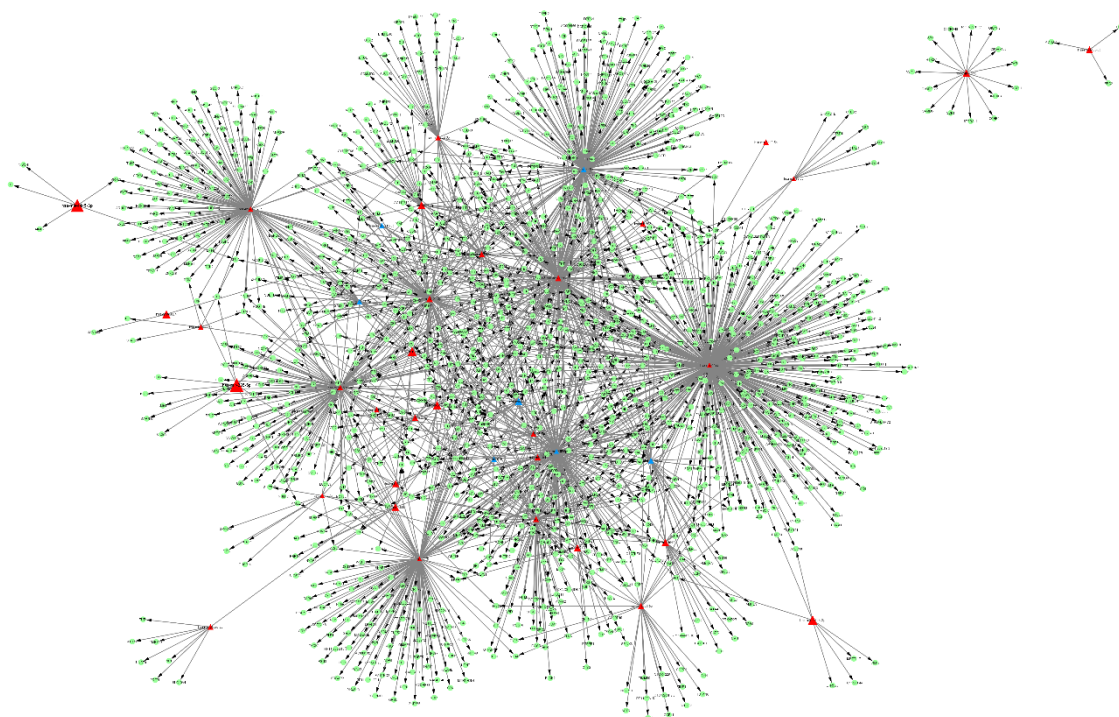
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Supplementary Figure 1: Full-length blots for Figure 1B



Supplementary Figure 2

A constructed network of 46 miRNAs and 1440 mRNAs in TGF- β 2-stimulated cultures.



Supplementary Table S1: Genes associated with enriched GO and KEGG terms in the TGF- β 2-treated group compared to the control group.

Category	ID	Term	LOG10(P-value)	Genes
GOTERM	GO:0034097	Response to cytokine	5.91	TUND, AVPR2, PDX1, OSMR, DDOST, PML, RELB, GNAO1, MAPK8, TRMP1, PGGT1B, RARA, TMDP1, JUNB, IL6R, BCL2L1
GOTERM	GO:0045944	Positive regulation of transcription from RNA polymerase II promoter	3.69	BACH1, ELK1, SOX2, CREB1, ZMIZ2, NFATC2IP, JUNB, CDKSRAP3, ACVRL1, BOMES, LMO1, CASK, BHLHA14, EBF4, SFRP2, TEL1, NOTCH1, GATA6, NRH2, RAI1, ZNF731, ZNF177, ZNF178, ZNF179, ZNF180, ZNF181, ZNF182, ZNF183, ZNF184, ZNF185, ZNF186, ZNF187, ZNF188, ZNF189, ZNF190, ZNF191, ZNF192, ZNF193, ZNF194, ZNF195, ZNF196, ZNF197, ZNF198, ZNF199, ZNF200, ZNF201, ZNF202, ZNF203, ZNF204, ZNF205, ZNF206, ZNF207, ZNF208, ZNF209, ZNF210, ZNF211, ZNF212, ZNF213, ZNF214, ZNF215, ZNF216, ZNF217, ZNF218, ZNF219, ZNF220, ZNF221, ZNF222, ZNF223, ZNF224, ZNF225, ZNF226, ZNF227, ZNF228, ZNF229, ZNF230, ZNF231, ZNF232, ZNF233, ZNF234, ZNF235, ZNF236, ZNF237, ZNF238, ZNF239, ZNF240, ZNF241, ZNF242, ZNF243, ZNF244, ZNF245, ZNF246, ZNF247, ZNF248, ZNF249, ZNF250, ZNF251, ZNF252, ZNF253, ZNF254, ZNF255, ZNF256, ZNF257, ZNF258, ZNF259, ZNF260, ZNF261, ZNF262, ZNF263, ZNF264, ZNF265, ZNF266, ZNF267, ZNF268, ZNF269, ZNF270, ZNF271, 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GOTERM	GO:0000122	Negative regulation of transcription from RNA polymerase II promoter	2.96	ZNF496, RARG, ZNF296, EPO, SUV39H1, NR2E1, NOC3L, BACH1, SOX2, MECP2, HMGB2A, ANKRD2, FEZF2, JUNB, ZNF565, BOMES, LMO1, KLF11, HES6, HAZ2, PARR1, DNMT3A, MAGEA1B, RUNX3, FOXO3, EDI, RBL1, BRMS1, IFNG, TEL1, RXR, RARA, TNBP, AURBA, HDAC4, FOXO3, DNMT1, NOTCH1, SATB1, ARX, GATA6, SP2, ASCL1, ASCL2, RELB, DNAB1, ZEB1, ZEB2, ZEB3, ZEB4, ZEB5, ZEB6, ZEB7, ZEB8, ZEB9, ZEB10, ZEB11, ZEB12, ZEB13, ZEB14, ZEB15, ZEB16, ZEB17, ZEB18, ZEB19, ZEB20, ZEB21, ZEB22, ZEB23, ZEB24, ZEB25, ZEB26, ZEB27, ZEB28, ZEB29, ZEB30, ZEB31, ZEB32, ZEB33, ZEB34, ZEB35, ZEB36, ZEB37, ZEB38, ZEB39, ZEB40, ZEB41, ZEB42, ZEB43, ZEB44, ZEB45, ZEB46, ZEB47, ZEB48, ZEB49, ZEB50, ZEB51, ZEB52, ZEB53, ZEB54, ZEB55, ZEB56, ZEB57, ZEB58, ZEB59, ZEB60, ZEB61, ZEB62, ZEB63, ZEB64, ZEB65, ZEB66, ZEB67, ZEB68, ZEB69, ZEB70, ZEB71, ZEB72, ZEB73, ZEB74, ZEB75, ZEB76, ZEB77, ZEB78, ZEB79, ZEB80, ZEB81, ZEB82, ZEB83, ZEB84, ZEB85, ZEB86, ZEB87, ZEB88, ZEB89, ZEB90, ZEB91, ZEB92, ZEB93, ZEB94, ZEB95, ZEB96, ZEB97, ZEB98, ZEB99, ZEB1000
GOTERM	GO:0003682	Chromatin binding	2.93	HDAC4, CEBPB, DNMT1, SATB1, PARR1, SUV39H1, HP1B3, ARX, GATA6, NOC3L, ASCL1, ELK1, RELB, MECP2, MED1, CREB1, ANKRD2, FEZF2, BOMES, KDM6B, MED3, BCAS1, SMAD4, MED6, NPM, NOOAS, MED1, CBX1, ACTL6A, DNMT3A, PDX1, GFZ1H, MLI1, REC8, MEIS1, POLR3A, NFIA, TCS2, CENPK, GANC, TOP1, AURBA, RAN, ASPIA
GOTERM	GO:0005515	Protein binding	2.67	IP013, RNH1, RPL3, FRMPD4, PWWP2B, C2ORF88, ENO1, NOC3L, BACH1, ELK1, ZC3H12, LIME, COMT, NUB1, WDR52, PSM2, ZMIZ2, CREB1, PRKACA, PRSS3, JUNB, ZNF169, CDKSRAP3, STARD3, RFX1, ATG13, GTPBP4, SMD1, ENL2, UNC13D, SIGIRR, NISCH, EID1, FAMI33A, ACE2, EVSR1, RUFY4, CLDN3, CLDN7, TROP, RECK1, ASPIA, PER13, RENO1, NLX1, NAPI, GATA3, PDGFA, NCAF9, AKAP17A, MAGEA9, NYAP, SULT1A1, HPX, CYBB1, NOST1, PPP4C, PKAR2B, BOW2, ZEB1B, ZEB1C, ZEB1D, ZEB1E, ZEB1F, ZEB1G, ZEB1H, ZEB1I, ZEB1J, ZEB1K, ZEB1L, ZEB1M, ZEB1N, ZEB1O, ZEB1P, ZEB1Q, ZEB1R, ZEB1S, ZEB1T, ZEB1U, ZEB1V, ZEB1W, ZEB1X, ZEB1Y, ZEB1Z, ZEB200, ZEB201, ZEB202, ZEB203, ZEB204, ZEB205, ZEB206, ZEB207, ZEB208, ZEB209, ZEB210, ZEB211, ZEB212, ZEB213, ZEB214, ZEB215, ZEB216, ZEB217, ZEB218, ZEB219, ZEB220, ZEB221, ZEB222, ZEB223, ZEB224, ZEB225, ZEB226, ZEB227, ZEB228, ZEB229, ZEB230, ZEB231, ZEB232, ZEB233, ZEB234, ZEB235, ZEB236, ZEB237, ZEB238, ZEB239, ZEB240, ZEB241, ZEB242, ZEB243, ZEB244, ZEB245, 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Supplementary Figure 3: Full-length blots for Figure 5B

