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Supplemental Information

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MicroRNA-145 regulates pathological retinal angiogenesis by suppression of *TMOD3*

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Table S1. Primers for q-PCR

Gene	Forward (5'→3')	Reverse (5'→3')
Mouse		
<i>c-Myc</i>	GGATTGGGCTACGGAGATGCT	ATGACCGGATTAGGAGTGAAG
<i>Gapdh</i>	GCCTACATG GCCTCCAAGG	GAGTTGGGATAGGGCCTCTCTT
<i>Klf4</i>	GTGCCCCGACTAACCGTTG	GTCGTTGAACTCCTCGGTCT
<i>Sema3a</i>	TGACGCCCAGCCAGAAGGTCT	AGAGTGCCCCGGCCTTTGTC
<i>Tmem9b</i>	CTATGGTGCGGAAACCTGCT	GCCCAGGATTCTCTTTATAGGGA
<i>Tmod3</i>	CTCCTTGGCAAGCTGTCCG	CCCGTGGCAGACTTTGATGT
<i>Trio</i>	AGTCTGAGCACATTGTGTCCG	GCACGATGCACATGACTTCTA
<i>18S</i>	TGCTGCAGTAAAAAGCTCGT	GGCCTGCTTTGAACACTCTAA
Human		
<i>TMOD3</i>	GTGACCTCGCAGCAATTCTTG	GTGGCTCATCAAATACCGGAA
<i>18S</i>	ACGGAAGGGCACCACCAGGA	CACCACCACCCACGGAATCG

Table S2. Oligonucleotide sequences for luciferase reporter constructs

Gene	NCBI Ref_Seq Accession Number	Seed Position	Sequences (5'→3')*
<i>Klf4</i>	NM_010637.3	+2,399...+2,405	AAATGCCAAGGGGTG <u>ACTGGA</u> AGTTTGTGGATATCAGGGT
<i>Sema3a</i>	NM_001243072.1	+2,751...+2,757	ACTTGCTTAGATAATA <u>AACTGGA</u> AAAAAATGCAATACAC
		+5,573...+5,579	AGATGGGAAGTAGAAA <u>AACTGGA</u> GAGAAAAAATGTAACG
<i>Tmem9b</i>	NM_020050.1	+691...+697	CCTCAGCTAACTGGGA <u>ACTGGA</u> ATCAGGTGACTAGGAAG
		+810...+816	TGGAGGAAGACTCCAA <u>AACTGGA</u> AGCAAACCCCATGCTTGGTAT
<i>Tmod3</i>	NM_016963.2	+1,345...+1,351	GGTAGAAGGGAAAG <u>ACTGGA</u> AATCTTTTAACTATATG
<i>Trio</i>	NM_001081302.1	+10,797...+10,803	ATACTCTGAATATAAAA <u>AACTGGA</u> AATAGGGTAATGTTTTAA
		+11,299...+11,305	GAAATTGGATTCAAAA <u>AACTGGA</u> TGTGTATCTGTAACCTCA

*The *mmu-miR-145* seed sequence-matched sites are underlined.